Ryan Hunter
River Rock Crescent, Brampton ON L7A 2W9
Phone **416-312-9703** | Email ryan@RyanHunter.org | GitHub: SystemsVanguard | Web: ryanHunter.org

Front-End Developer / Full Stack Web Application Developer / Systems Analyst

Results oriented web, database, & application developer with over 19 years' progressive design & development experience *(in React.js, Vue.js, ASP.NET, Python [Flask & Django], Node.js/Express.js, C#, and PHP),* complemented by 5 years' project coordination experience. Excellent analysis, listening, programming, teamwork, communication, agile development, presentation, & trouble-shooting skills. PMI **PMP**, ITIL, MCTS & MCP certified.

Key Accomplishments

- UI & front-end development for 2 commercial bank projects, using React.js, Redux, React Router, JavaScript, CSS, HTML, & a custom corporate CSS framework.
- Coordinated the complex recovery of a large mission critical MS SQL Server database for our 2nd largest client. Led team and managed all aspects of multiple systems deployments. Maintained documentation for 4 systems.
- Created a Python, C#, & SQL based financial securities import & export data system for a commercial bank.
- Created several custom web sites, web apps, & templates for small businesses quickly using multiple technologies including React.js, Node.js, ASP.NET, PHP, C#, Vue.js, REST APIs, Python Flask, Django, JavaScript, CSS, Bootstrap, Bulma CSS, HTML5, JSON, custom graphics, modern web development workflows, and assorted Content Management Systems and web frameworks including Drupal, WordPress, Joomla, Gatsby.js, & Nuxt.js.
- Designed, built *(front end & back end)*, tested, & deployed multi-tiered AODA & OWASP accessibility compliant web applications for leading corporations, using multiple web technologies, tech stacks, & cloud servers.
- Database design & administration using MS SQL Server, MySQL, PostgreSQL, Oracle, MongoDB, & SQLite.
- Systems analysis, coding, and project coordination for the creation and management of 4 new IT products, and the re-design of a 5th, resulting in a 13% increase in corporate sales. 17 media (radio, television & newspaper) presentations, 22 marketing presentations, and multiple public speaking engagements over14 months.
- Analysis, web development, & testing for Canada.com (Canada's largest web portal in 2007) and 17 other news portals.
- Solo coded & managed a then pioneering labour market TELMI web portal for the **City of Toronto** (Social Services). Delivered multiple presentations and Q&A sessions to stakeholders & SMEs.
- Systems analysis & project coordination for a City of Toronto computer upgrade project, which deployed 1,306 computers to 24 locations. Coded inventory, & automation scripts in C# & Python. Led the subsequent end of term IT assets inventory & liquidation project. Managed departmental IT purchasing.
- Systems analysis, programming, & project coordination for a 4 country Inter-American Development Bank (IDB) labour resource project. Designed and delivered systems training in the 4 countries.
- Managed all aspects of a systems repair & upgrade project achieving savings of 14% of the IT budget.

Skills & Proficiencies

- 19 years' web application development experience. Technologies used include React.js, PHP 7, Vue.js, C#, ASP.NET, Node.js/ Express.js, REST APIs, React Router, Redux, Python *(Flask & Django frameworks)*, JavaScript, SQL, JSON, HTML5, Bootstrap, Bulma, Vuex, Vue CLI, Vue Router, Create-React-App, Apache, Nginx, IIS, and minor web graphics development.
- Proficient with cloud deploys to AWS, Azure, Heroku, Digital Ocean, Linode, OpeNode, & Apache web servers. Experienced with unit tests, CI/CD, Git, and code branching & restores. Knowledgeable of multiple design patterns, MVC, OOP, ORMs, estimating, documentation, and development best practices.
- Experienced with programming using multiple languages, primarily JavaScript, Python, SQL, PHP, & C#.
- In depth skills with SQL, database modeling, JSON, PDOs, ORM, ODM, including Sequelize, Mongoose, Entity Framework, and SQL-Alchemy. Over 12 years T-SQL & MS SQL Server development. Built database solutions involving T-SQL queries, stored procedures, functions, triggers, SSRS reports, SSIS, & ETL. Have built multiple solutions utilizing MySQL, MongoDB *(No-SQL)*, PostgreSQL, Oracle, and SQLite databases.
- Extensive troubleshooting and problem resolution skills. Experienced with scoping, budgeting, communication, reporting, and time & resource estimation for agile projects. Strong documentation, presentation, business analysis, and IT project co-ordination skills. Proficient with PMI & PMBOK project management framework.

- Proficient with Windows, Mac, and Linux (preference for Ubuntu/ Linux Mint). Graphics development with Inkscape, & GIMP.

Career Highlights & Professional Experience

Numeris – Sept 2021 – present – **Senior Software Engineer**
- Full cycle web application development & testing using primarily Angular, Node.js, Scala, SQL (Microsoft SQL Server and Oracle), HTML, JavaScript, CSS, & CSS frameworks (Material UI & Bootstrap 5).
- Extensive SQL development & optimization (Oracle, and Microsoft SQL Server).
- Extensive systems analysis and design for a number of corporate applications.

Vanguard Web Solutions Inc. (incorporated contractor) - Nov 2014 – present – **Full Stack Web Developer**
Multiple clients including Scotia Bank *(twice)*, TD Securities, LS Travel Retail North America, & The Marketing Store.
- **Bank of Nova Scotia** *(Jan – Apr, & also Sept 2020 - present)* React.js, CSS, JavaScript, API consumption, SQL, TDD, testing, Git, & front-end development for a Caribbean banking product, and a secure file transfer & archival tool.
- **Artisan Web Coders** *(Aug 2017 – Mar 2019, & Oct – Dec 2019)*. Web application analysis, design, development, testing, & deployment using multiple back-end technologies including PHP, Python *(Flask & Django)*, Node.js & Express, RESTful APIs, ASP.NET Core, and C#. Administered & deployed to VPS & cloud servers (Azure, Digital Ocean, Heroku, & AWS), and managed multiple databases including MS SQL Server, PostgreSQL, Oracle, MySQL, and MongoDB. Front-end development with HTML5, CSS, JSON, Vue.js *(including Vuex & Vue Router)*, React.js *(including Hooks, Redux, React Router, & Jest testing)*, and JavaScript.
- **TD Securities** *(April – Jul 2017)* Programmed a securities data feeds import/export & processing database solution, & coded automation utilities with Python, MS SQL Server, VBA, C#, and T-SQL.
- **The Marketing Store** *(July – Aug 2015)* Data transforms & ETL using Python, MySQL, C#, SQL Server, & Tableau.
- **LS Travel Retail** *(Oct 2014 – May 2015)* Programmed a MS Dynamics AX POS retail solution, its database & reports.
- **Freelance** *(Ad-hoc, & May – Sept 2020)* - web development using PHP 7, Node.js, REST APIs, Vue.js, React.js, SQL, C#, ASP.NET, Flask, JSON, Drupal, WordPress, MySQL, PostgreSQL, CSS, HTML5, Django, Joomla, Bootstrap, Bulma CSS, AWS, Azure, & custom graphics.

Regional Municipality of Peel (Learning Assignment Contract) – April – Sept 2019 ~ **Assistant - Special Events**
- Coordinated the 2019 Public Works Annual Staff Appreciation Barbecue project, successfully planning and delivering on time within budget and to target. Assisted the successful delivery of the annual 2019 Peel Children's Water Festival which over 6 days hosted 5,790 elementary school children to educate via 64 booths. Aided the coordination of 906 high school volunteers & other stakeholders. Python automation scripting.
- Booth representative at assorted festivals and events, to promote assorted Public Works outreaches. In June – July 2019, presented briefly and individually to 910 people at 9 events.
- On-site presentations, public speaking, liaison, facilitation, and assisting & delivering FAQs & Info Sessions.

Regional Municipality of Peel (Part time & Ad-hoc) – Aug 2002 - **present** ~ **Emergency Services Dispatcher**
- Dispatches after hour emergencies. Liaises with Public Works, emergency services, Fire Dept, Police, & medical services. Expert level skill with radios, monitoring systems, dispatch equipment, and dispatch software.

Venngo Inc – Sept 2015 – Dec 2016 – **Senior Developer**
- Built & tested corporate web application using PHP 7, React.js, MySQL, WordPress, Vue.js, C#, HTML, CSS, AWS, Bootstrap, & jQuery. Coded Python web testing, networking, & automation solutions.
- Administered a phone POTS to VOIP transition. Built the subsequent Salesforce and RingCentral API integration.

Hammond Power Solutions – July 2013 – October 2014 – **Senior Dynamics AX Report Developer**
- Design & development of AX & data solutions and business reports, using MS Dynamics AX, X++, C#, SSRS, SSIS, ASP.NET, MS SQL Server, and T-SQL. Minor Dynamics CRM customization. Conducted systems testing, coded Python scripts, did systems analysis & documentation, and coordinated the work of 3 external AX consultants. Arranged and facilitated meetings with corporate SMEs and customer teams with the consultants.

Navantis Inc. - Sept 2011 – July 2013 – **Application Support Analyst & Senior Developer – OCAS Project**
- Web application development using ASP.NET MVC, MS SQL Server, C#, PHP, PHP CMSs *(including Drupal, WordPress, & Joomla)*, Node.js, Django, Python Flask, Oracle, MySQL, SQL *(T-SQL & PL/SQL),* HTML, JavaScript,

Angular.js, jQuery, Bootstrap, PostgreSQL, Azure, IIS & Apache. SQL Server, NET development, & administration.
- Python, C#, T-SQL, & Windows coding.
- Systems analysis, requirements elicitation, documentation, & programming for the OCAS college application portal, including managing 3 feature upgrades, 6 systems deployments, and managing 1 local and 3 off shore resources. Resolved a failing database backup issue by coordinating the work of 7 internal consultants, and Tier 3 Microsoft support. Managed the eventual deployment, which required 13 persons from the client corporation. Managed systems documentation project, led multiple systems deployments, regular participant in weekly client meetings, and occasionally led agile sprints for small team. Scripted software solutions in Python, C#, & VBA.
- Application development & customization using MS Dynamics AX (Axapta), Dynamics CRM, and T-SQL.

Xerox Canada April 2010 - Feb 2011 - **Application Consultant – ODM Project**
- Developed web applications using C#/ASP.NET, Python, SQL Server, Oracle, PostgreSQL, SQL, PHP, CSS, jQuery, JavaScript, and HTML. Database development, systems administration, business systems analysis, and managed all technical aspects of the Online Document Management (ODM) integration project. Administered systems testing and deployment, and coordinated communication among the team *(5 offices in 3 countries)*.

City of Toronto - Social Services - May 2009 - April 2010 – **Senior Developer/ Technical Coordinator** – **LMIS Project**
- Analysis, development, and all technical components in delivering the TELMI comprehensive labour market information web portal, built using PHP, MySQL, JavaScript, CSS, & HTML, including a portable USB based WAMP stack & later desktop app *(PHP2Exe via ExeOutput.com)* for marketing demonstrations. Coded 4 automation & reporting solutions with Python. Delivered project on time and to budget despite a strike lockout. Built prototypes in PHP, ASP.NET, & Python.   Responsible for all architecture, design, & development. Built a Python based survey response database application, and created multiple management reports. Built & maintained a WordPress based internal documentation & project tracking tool. Scheduled & delivered 16 marketing & technical presentations to varied SMEs & management groups over 11 months.

CanWest Digital Media - Mar 2007 - May 2009 - **Systems Integrator/ DBA**
- Web application & database development for 17 sites *(using C#/ASP.NET, Python Django, Java, JavaScript, Flash, MySQL, SQL Server, T-SQL, PostgreSQL, SDLC, PHP, CSS, & HTML)* to OWASP, AODA, & industry best practices. Systems analysis, site testing, and deployments for the 17 CanWest sites & portals. Built & maintained custom micro-sites & templates. Documented requirements, inspected security logs, reviewed processes, and provided support. IT project coordinated the innovative and new "Map Your Way" web application pilot project, including negotiating vendor terms, purchasing hardware & software, coordinating the work of temporary staff. Wrote business requirements, analyzed security logs, documented processes, and provided technical support.

City of Toronto – PPFA dept. - April 2003 to Dec 2006 (3 contracts) **Business Systems Integrator** *(multiple roles)*
- Web application development, systems deployments, database programming, server administration, & technical support using primarily SQL *(T-SQL & PL/SQL)*, C#, ASP.NET, PHP, Python, CSS, JavaScript, HTML, & PHP2Exe.
- Systems integration and assisted project administration for a systems upgrade project which deployed 1,306 PCs to 24 locations. Coded systems inventory, deployment, and automation scripts in Python & C#. Managed the subsequent systems inventory & decommissioning project. Departmental representative for the IT Standards Committee. Managed departmental IT purchasing. Managed all project communication for the TELS computer upgrade project, delivering 21 of 24 TELS site projects on time, within budget and to scope.

Office of Utilities Regulation - Aug 2001 – Jan 2002   **Systems Administrator / IT Coordinator**
- Business & technical analysis. Programmed 4 corporate applications, & scripted multiple solutions. Managed all aspects of the corporate network, Help Desk, and systems security. Administered the corporate databases and server systems. Designed, built, and maintained databases. Produced routine & ad-hoc management data reports.
- Successfully managed 5 IT projects, bringing in all 5 on time, on scope, and within budget. These included *(1)* managing the hardware and systems upgrade project, *(2)* directing the redesign and launch of the corporate web site, *(3)* implementing a software training solution for staff, *(4)* the selection & implementation of a knowledge management solution, and *(5)* the switch-over & implementation of a then innovative HRMS.

Inter-American Development Bank – **Information Systems Coordinator**

Non Traditional Skills Training Project (Sep 2000 – Jul 2001) **&** *Work Force Development Consortium (*Jan 1997 – Jul 2000)
- Systems analysis, design, application development, and database admin for a labour market information system & and for a training management system across 4 Caribbean countries. Python & Windows scripting. Built a 17 course computer based training (CBT) system, available via disk & Intranet, for literacy & trades skills training.
- Business analysis and IT project management for 9 projects over 3 years, delivering 8 projects on scope, on time, and under budget. Managed the creation and launch marketing for 4 new IT products, and the redesign of a 5th, resulting in a 13% increase in corporate sales. Managed a 6-person IT team, & all project budgeting, scheduling, documentation, & communication. Successfully led, managed, and delivered two Y2K mitigation projects. Guided the transition to becoming a Microsoft Approved Testing Centre (MATC). Re-designed our software training classes to become the 2nd most profitable product. Delivered 17 presentations for television, radio, & newspaper, including 9 live broadcasts, and 19 seminars, marketing & conference presentations over 14 months. Designed, developed, deployed and maintained application and database solutions. Administered SQL Server databases. Programmed databases & data reports. Managed data transformations & migrations.

Jamaica Stock Exchange - Jun 1995 – Jan 1997 - **Accounting Officer**
- Financial analysis, accounting, payroll, & project coordinated the annual stock exchange yearbook.

Education & Professional Development
- Bachelor of Science (Honours) - Management Studies. University of the West Indies (Mona) - June 1994.
- PMI Project Management Professional (**PMP**) certified - (ID #1279784) – June 2009
- **ITIL** Foundation - IBM Canada - June 2007
- Microsoft **MCTS**: SQL Server 2008 Administration, & MCTS 2005 Admin. Microsoft **MCP** certified *(# 11729851)* in Windows servers, and Networking.
- Certificates - University of New Orleans. Strategic Human Resource Management.
- Certificates - University of New Orleans. Superior Customer Service
- Microsoft BizTalk Server 2010 Administration (MS Course # 2978) - CTE Solutions.
- Microsoft Azure Data Fundamentals DP-900 certification
- Related certificates: Association of Accounting Technicians (AAT) - Level 2.
- Certificate - Investment & Securities - Jamaican Institute of Management.
- Certificates in e-Commerce, JavaScript, web development, Visual Basic programming, and computer networking.

Professional & Volunteer Affiliations
- Volunteer Web Trainer/ Hackathon Coach – BlackBoysCode.org – Toronto chapter ~ July 2017 – present.
- Squadron Sponsoring Committee - 892 Snowy Owl – Air Cadet League of Canada ~ August 2015 – June 2019.
- Technical Administrator – PMI-SOC Volunteer Management Team (2009 – 2011)
- Committee member – PMI Southern Ontario Chapter -Volunteer Management Team (2009 – 2011)
- Web Master – PMI-SOC Volunteer Management Team (2009 – 2010)
- Member - Project Managers United Toastmasters
- Member – PMI Southern Ontario Chapter (Toronto) - Project Management Institute (2009 – present)
- Member – Lakeshore chapter (Mississauga) - Project Management Institute (2009 – 2019)
- Member of Mobile Learning Lab - Toronto Meet-Up.
- Member of Microsoft Reactor Toronto - Toronto Meet-Up.