

## Ryan Hunter

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### Software Engineer / Full-Stack Developer / Business Systems Analyst

Results oriented systems architect, software engineer, full-stack developer, & systems analyst with 24 years experience in designing, developing & re-engineering complex multi-tiered systems, software, REST APIs, & web applications.

Strong app development expertise in back-end ([i] *Java Spring Boot/ Spring MVC*, [ii] *C#/ ASP.NET Core*, [iii] *Node/ Express/ TypeScript/Next.js*, [iii] *Python FastAPI /Django DRF/ Flask*), databases (*MS SQL Server, Oracle, PostgreSQL, MySQL, MongoDB, & Redis*), and front-end (*React.js, Vue.js, Typescript/JavaScript, Angular, CSS, Tailwind, Bootstrap, Bulma, & HTML*). Experienced building CI/CD pipelines, GitHub Actions, GitLab CI/CD, Jenkins, & Docker environments.

Excellent technical & business analysis, architecture, systems design, requirements elicitation, budgeting, listening, reverse engineering, trouble-shooting, collaboration, agile scrum, facilitation, & public speaking skills. Adept with SQL coding, DevOps, deploys, Python & Bash scripting/automation, network admin, issue resolution, Terraform IaC for AWS, Google Cloud, & Azure, and data analysis & reporting (*MS Power BI, Tableau, Python, SQL, SSRS, & more*).

PMI PMP, CSM, ITIL, Azure, Python, Power BI, MS SQL Server, MCTS & MCP certified.

### Key Accomplishments

- REST API, micro-services, CRUD, messaging, & development using Java Spring Boot, ASP.NET Core/ C#, Node.js/ TypeScript, Python (*FastAPI, Flask*), MS SQL Server, Oracle, PostgreSQL, MySQL, Redis, & MongoDB.
- Banking REST API security architecture design, review, vetting, & Best Practices design for Scotiabank.
- UI & front-end web development for 3 commercial bank projects, using React.js/TypeScript & CSS ecosystems.
- Designed, built (*front end & back end*), tested, & deployed responsive AODA & WCAG accessibility compliant web applications to OWASP aware security standards, using multiple web technologies, tech stacks, & cloud servers.
- Analysis, web & database development for Canada.com and 17 other news portals.
- Full cycle business systems analysis, data analysis, & presentation for multiple clients across 4 industries.
- Coordinated the complex recovery of a large mission critical MS SQL Server database for our 2nd largest client.
- Database design, optimization, & admin using MS SQL Server, PostgreSQL, Oracle, MySQL, & MongoDB.
- DevOps cloud deployments & VPS server administration, with AWS, Google, Azure, & Digital Ocean clouds.
- Extensive systems documentation, code walking, reverse engineering, & process flows for 3 legacy Numeris apps.
- Solutions development and re-engineering legacy systems using SQL, C#, Java, & Python programming.

### Skills & Proficiencies

- 24 years' web, mobile, & corporate application development experience. Technologies used include :
  - front-end technologies including React.js/Next.js, Vue.js, Angular, TypeScript/JavaScript, CSS, Tailwind, Sass, Daisy UI, HTML, Bootstrap, Material Design, Ionic, React Native. Graphics design (*with Canva, Figma, & Inkscape*).
  - Coding responsive corporate sites to OWASP security, AODA & WCAG accessibility, & SEO best practices.
  - Building REST APIs, micro-services, messaging, & back-end solutions using Java Spring Boot/Spring MVC (*Hibernate, JPA, Maven, Gradle*), ASP.NET Core (*Entity Framework, Dapper ORM, LINQ, T-SQL, C#, MVC, Razor Pages*), Python Flask, Django DRF, & FastAPI, Node/Express/TypeScript, & SQL. Bash, Python, & PowerShell scripting/automation skills. Augmenting legacy apps & ETL systems via VBA, SQL, Python, C#, & PowerShell.
- Systems analysis & documentation, requirement gathering, process flows, presentations & delivering process updates, financial & operations analysis, wire-framing, bench-marking & Best Practices assessment, and training & facilitation. Excellent communication & public speaking/presentation skills. Strong with Jira, Confluence, & Miro.
- Database development & optimization using MS SQL Server, Oracle, PostgreSQL, MySQL, MongoDB, SQL (*T-SQL & PL/SQL*), JSON, DB2, Power BI, Tableau, ETL, data reporting, dashboard development, & transformations.
- Security architecture, design, policy development, forensic analysis, monitoring, and testing (SAST & DAST). Technologies used included BlackDuck, Checkmarx, Acunetix, NoName, Akamai, and GCP & AWS cloud tools.
- Linux (Ubuntu & RHEL), VPS DevOps, & LAMP stack administration with Linux DevOps & scripting. Cloud, CI/CD pipeline, containers (*Docker, Kubernetes*), and server & VPS admin with Terraform, AWS, Azure & Google.

### Career Highlights & Professional Experience

Vanguard Web Solutions – June 2025 – present –Software Engineer/Systems Analyst

- Requirements gathering, QA, & project costing, process design, flowcharting, documentation, & DevOps. Building databases, APIs, & apps, using Java, Spring Boot, ASP.NET Core, React.js, Vue.js, Python, Node.js, & PHP.

*Scotiabank ~ Cloud & Application Security Architecture – Oct 2024 – April 2025 – REST API Security Engineer*

- Analysis & security evaluation of REST APIs, designs, & best practices. Developed security reports, ETL, & analysis of security data, using Python, Java, C#, SQL, & ASP.NET. Audit & vetting API inventory. Development of solutions using SQL, Java Spring Boot, and ASP.Net Core.
- SAST & DAST testing of Google Cloud & Akamai solutions. Multiple SaaS cloud based security tools, including Checkmarx, Synopsis Black Duck, Google Cloud, NoName, Akamai, and Azure. Auditing & security testing REST APIs & CI/CD pipelines to OWASP Best Practices.

*Numeris Inc. – Aug 2021 – Aug 2024 – Senior Software Engineer*

- Systems architecture, analysis, & extensive back-end development of REST APIs, messaging, micro-services, and database solutions using (i) Spring Boot & Java, (ii) C# ASP.NET Core/SQL Server/ Entity Framework, (iii) Node.js /Express.js/Next.js, & (iv) Python/FastAPI/Django DRF, & (v) Perl. Experienced with Git, Terraform, AWS, Azure, Jira, Confluence, Redis, Docker containerization & Kubernetes orchestration. Developed CI/CD pipelines, & GitHub actions. Configured Elasticsearch, & RabbitMQ, and wrote Python & Linux Bash & DevOps scripts.
  - Responsive front-end web development & testing using React ecosystem (*TypeScript, Redux, Router, Hooks, & Next.js*), Vue.js, CSS, Angular, Sass, Tailwind CSS, TypeScript/JavaScript, Material UI, Bootstrap, & HTML. Graphics & UI prototyping with Figma, Inkscape, Canva, and GIMP. Documentation with Git, Confluence, Jira, & Miro.
  - ETL, data analysis, reporting, visualizations, & dashboard creation, using Tableau, SQL, VBA, & Python.
  - Served temporarily as Dev. Team Lead for 3+ months while my manager's replacement was sourced.
  - Extensive systems analysis, feasibility assessment, reverse engineering, and an eventual 2 person rewrite of a legacy Perl app into a modern scalable Python, C# ASP.NET Core, & PostgreSQL AWS hosted solution.
  - Built Spring Boot, & ASP.NET Core REST APIs, CRUD, & micro-services. Performed cloud VPS deploys, & DevOps of web & data solutions. Built multiple DB solutions with Oracle, SQL Server, PostgreSQL, & MySQL.
  - **Bank of Nova Scotia ~ Full Stack Web Developer** (*Jan – Apr, & also Sept 2020 – Aug 2021*) Developed performant, multi threaded, responsive & concurrent web apps using React.js (*Redux, Hooks, Router, TypeScript, Axios*), JavaScript, Java Spring Boot REST APIs, Python, SQL, Figma, CSS, Git, Bash scripting, & unit tests for (i) a Caribbean banking product, (ii) a mortgage workflow, and (iii) a file transfer tool, to OWASP security, WCAG & AODA standards.
  - **Artisan Web Coders** (*Aug 2017 – Mar 2019, & Oct – Dec 2019*). RESTful APIs & web app analysis, design, development, testing, & deployment using multiple back-end technologies such as ASP.NET, PHP, & Node.js. Front-end apps, templates, & mobile apps built with React.js, React Native, Angular, Ionic, Vue.js, TypeScript, CSS, & HTML.
  - **TD Securities** (*April – Jul 2017*) Programmed a securities data feeds import/export & processing database solution, & coded automation utilities with Python, Bash, MS SQL Server, C#, ASP.NET, ETL processes, & T-SQL.
  - **The Marketing Store** (*July – Aug 2015*) Data transforms, ETL, & reports via Tableau, SQL, Python, MySQL, & C#.
  - **LS Travel Retail** (*Oct 2014 – May 2015*) Coded a C#, SSRS, MS Dynamics AX POS, & MS SQL Server solution.
- Freelance** (*Ad-hoc, & May – Sept 2020*) – Built sites, templates, & APIs using ASP.NET Core, React, Node.js, & SQL.

*Regional Municipality of Peel ~ April – Sept 2019, & April-May 2026 ~ Associate - Special Events & Coordination*

- Project managed all aspects of the multi-site 2019 Public Works Annual Staff Appreciation Barbecues project.
- Project coordination & implementation for 2019 & 2026 [Peel Children's Water Festival](#) hosting 5,790 students, & 906 volunteers. Coded Python, VBA, & PowerShell automation scripts, and inventory scripts.
- Public Outreach Representative. In June – July 2019, presented individually to 910 people at 9 events.

*Regional Municipality of Peel (Ad-hoc weekend shifts) – Aug 2002 – present ~ Emergency Services Dispatcher*

- Strong communication, analysis, expediency, problem resolution, & situational analysis skills. Assessing & dispatching after hour emergencies quickly, working with Fire Dept, Police, medical services, and RoP PW teams.

*Venngo - Sept 2015 – Dec 2016 – Senior Web Developer ~ React.js, PHP, Node.js, MySQL, Python, MongoDB, & AWS.*

*Hammond Power Solutions – Jul 2013 – Oct 2014 – Senior Dynamics AX & CRM Developer ~ C#, AX, Azure, SQL, & VBA. Significant C# & Python scripting/ automation. Managed the technical work of 2 external Dynamics AX contractors.*

*Navantis Inc. - Sept 2011 – July 2013 – Senior Developer – OCAS Project*

- Architecture, design, analysis, development, deployments, & ERP implementations for [OCAS](#) Ontario college application portal & 11 other clients. Built solutions with ASP.NET, MS SQL Server, T-SQL, C#, MS Dynamics AX, Dynamics CRM, Java, Spring MVC, Node.js/Express.js, Python, Django, PHP, JavaScript, & Angular.js.

- Built optimized, scalable & fault tolerant databases using MS SQL Server, Oracle, Redis, PostgreSQL, MySQL, & MongoDB. Resolved a major failing database backup issue by coordinating 7 internal consultants, and Tier 3 Microsoft support. Extensive MS SQL Server development, documentation, & administration. Project coordinated 3 feature upgrades, 6 deployments, 2 systems testing projects, and managed 3 local & 4 off-shore Team Members.
- App development using ASP.NET/C#, Node/Express, Python/Django, PHP, Redis, MongoDB, RDBMS (*PostgreSQL, MS SQL Server, Oracle, MySQL, T/SQL, & PL/SQL dialects*), VBA, Dynamics AX, Dynamics CRM, & Azure.
- Worked as Team Lead temporarily for 5 months while manager was off sick overseas.

*Xerox Canada* Apr 2010 - Mar 2011 - **Application Consultant – ODM Project** ~ Python, C#, ASP.NET, & SQL Server.

*City of Toronto - Social Services* - May 2009 - April 2010 – **Senior Developer/ Technical Coordinator – LMIS Project**

- Analysis, server admin, architecture, & solo development for the [TELMI](#) comprehensive [labour market](#) web portal. C#/ASP.NET, Python Django, & PHP codebase. Despite a [strike](#) lockout, delivered on time & on scope.

*CanWest Digital Media (now Postmedia)* - Mar 2007 - May 2009 - **Systems Integrator/ Analyst**

- Product development & delivery (3 projects). Process design, flow-charting, & wire-framing. Vendor liaison work, product marketing & support, management reporting & status updates, and technical coordination.
- Web application & database development for 17 sites (*using C#/ASP.NET, Python Django, PostgreSQL, MS SQL Server, MySQL, JavaScript, CSS, & HTML*) to [OWASP](#), [AODA](#), & industry best practices. Systems analysis, site testing, and deployments for the 17 [CanWest](#) sites & portals. Administering Google Search appliance & Lucerne search.
- Security hardening, auditing, penetration testing, response management, & log analysis. Significant C#, Python, VBA & Bash scripting/ automation for systems admin & application testing. Django app development & testing.

*City of Toronto – PPSA dept.* - April 2003 to Dec 2006 **Business Systems Integrator** (*multiple roles & contracts*)

- Systems analysis for 7 multi-tiered systems. Stress testing & QA. Issue discovery & remediation. Flow-charting, process redesign, systems documentation, management reporting, security testing, and app administration. Data analysis & report development. Python, C#, and Linux Bash scripting/automation.
- Solutions development using Java, ASP.NET, VBA, C#, Python, & SQL (*Oracle, MS SQL Server, & Postgres*).
- Systems integration & project admin for a systems upgrade project which deployed 1,306 PCs to 24 locations.

*Office of Utilities Regulation* - Aug 2001 – Jan 2002 **Systems Administrator / IT Coordinator**

Coded & maintained multiple public utility metrics & management tools, using MS SQL Server, Java, Linux, & SQL.

*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, DBA, design, development, Linux admin, VBA, & Java programming. 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**. Built a 17-course Computer Based Training system, for Construction Trades. Delivered 17 presentations for television, radio, & newspaper, including 9 live broadcasts over 14 months. Managed a 6-person IT team, & all project budgeting. **IT project management for 9 projects**, delivering 8 projects within scope, budget, & time.

### Education & Professional Development

- B.Sc. Management Studies (Systems Analysis, & Finance). University of the West Indies (Mona).
- Certified Scrum Master – Scrum Alliance (**CSM**) – ID # [001768153](#) - July 2025
- PMI Project Management Professional **PMP** certified - (PMP #[1279784](#) | PMI Member 1509340) – June 2009
- Microsoft Certified: Azure Administrator Associate [AZ-104].
- AWS Certified AI Practitioner [AIF-C01] ~ # [AWS00395875](#). Solutions Architect - Associate pending June 2026.
- Microsoft **MCP** certified (# [11729851](#)) ~ Administration, & MCTS 2005 Admin.
- Currently pursuing [TMI DTM](#) (Distinguished Toastmasters) communication certification – **pending August 2026**
- University of New Orleans ~ Certificates in Strategic Human Resource Management, & Superior Customer Service
- Certificates: (i) **ITIL** Foundation - IBM Canada - June 2007 (ii) Association of Accounting Technicians ~ Level 2.
- Certificate - Investment & Securities - Jamaican Institute of Management.

### Professional & Volunteer Affiliations

- Toastmasters International (*Educational non-profit that develops Public Speaking, Communication, & Leadership skills*)
  - District 123 ~ **Public Relations Manager** [2024-2025](#) (4<sup>th</sup> highest District position) – led a team of 11.
  - Project Implementation Tech Lead ~ District 123 [Conference 2025](#) Planning Team
  - Lead for District Web & Tech Team – WordPress, Canva, Facebook, LinkedIn, MailChimp platforms.
- Volunteer Web Trainer/ Hackathon Coach – [BlackBoysCode.org](#) – Toronto chapter ~ July 2017 – Aug 2022.

- Squadron Sponsoring Committee - 892 Snowy Owl – Air Cadet League of Canada ~ Aug 2015 – June 2018.
- Web Master – [PMI-SOC](#) Volunteer Management Team (2009 – 2010) & Technical Administrator (2009 – 2011).
- Technical Administrator – PMI-SOC Volunteer Management Team (2009 – 2011)
- Member – PMI Southern Ontario Chapter (Toronto) - Project Management Institute (2009 – present)