Ryan Hunter

Software Engineer | Full-stack Web Developer | CRM Developer
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Senior software engineer experienced in enterprise web applications development, REST APIs, CRM customization, and modernizing established core business applications across banking, media measurement, and public-sector systems. Hands-on development with React, TypeScript, Node.js/Express.js/JavaScript, C#/ASP.NET Core, Dynamics CRM, Java Spring Boot, Python, VBA/Excel/MS Office, & PowerShell, supported by strong SQL and systems analysis skills. Experience includes application security reviews, deployments, and cloud Dev/Ops with AWS & Azure clouds.

PMI **PMP**, Scrum **CSM**, AWS AI, ITIL, MS SQL Server, MCTS & MCP certified. Toastmaster DTM candidate.

Technical Skills

- Data: PostgreSQL, MS SQL Server, Oracle, MySQL, SQL, ETL, MongoDB, Redis, RabbitMQ, embedded SQLite.
- Back end: Node.js/Express.js/TypeScript, JavaScript, C#, ASP.NET Core, Java Spring Boot, Python, & FastAPI.
- Front end: React, TypeScript, JavaScript, Vue.js, Tailwind CSS, HTML, CSS, Next.js, Redux, React Router.
- Evolving/Legacy Code: Adept at comprehending, reverse engineering, maintaining, & rewriting mature codebases.
- Delivery: AWS, Google Cloud, Azure, Docker, Git, GitHub Actions, Terraform, CI/CD, Jira, Confluence.
- Engineering: REST API design, requirements analysis, legacy modernization, OWASP, accessibility testing.
- MS CRM: Analysis, design, customization, & development of MS Dynamics 365 CRM & Customer Service.

Key Accomplishments

- Coordinated the complex recovery of a large mission critical MS SQL Server database for our 2nd largest client.
- Node.js, C#, & ASP.NET coding for media measurement video streams, images, & multi-media files for Numeris.
- UI & front-end web development for 3 commercial bank projects, using React.js/TypeScript & CSS ecosystems.
- Analysis, web & database development for Canada.com, Driving.ca, FinancialPost.com, and 14 other news portals.
- REST API, micro-services, CRUD, messaging, & development using Node.js/Express.js, ASP.NET Core, Java Spring Boot, Python FastAPI, Next.js, MS SQL Server, Oracle, PostgreSQL, MySQL, Redis, & MongoDB.
- Banking REST API security architecture design, review, vetting, & Best Practices design for Scotiabank.
- Multiple successful projects in tight time-frames, in reviewing existing code for traditional systems undergoing modernization, team testing, architecting, rewriting, documenting, and deploying high visibility Solutions Rebuilds.
- Significant redesign & improvement of a MS Dynamics CRM, & Point of Sale system.

Career Highlights & Professional Experience

Vanguard Web Solutions – June 2025 – present –**Software Engineer**

- Database development & deploy using PostgreSQL, MySQL, MS SQL Server, & Oracle on Azure and AWS.
- Building REST APIs, web apps, & microservices with Node.js/Express.js/TypeScript, Next.js, and ASP.NET Core. Requirements gathering, systems analysis, QA, project costing, process design, documentation, SDLC, & DevOps.
- Front-end & mobile development with React.js/Next.js, React Native, Angular, Vue.js, Tailwinds, & TypeScript.

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

- Reviewed banking REST API designs, inventories and CI/CD pipelines against OWASP security practices; prepared security assessments and recommendations.
- Developed security data analysis and reporting using Python and SQL; evaluated applications with Checkmarx, Google Cloud, Black Duck and NoName/Akamai tooling.
- Reviewed, and coded REST APIs built in Java Spring Boot, Node.js/Express.js/TypeScript, & ASP.NET Core.

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

- Built and maintained ASP.NET REST APIs with PostgreSQL for eTAM video measurement, Node.js/Express for in-home panel management, FastAPI for API rebuild, and Spring Boot/Oracle app for media measurement systems.
- VBA/MS Excel/MS Office and Excel/VBA/SQL ETL integration for a data transformation & reporting project.
- Worked in a two-person team to rewrite a legacy Perl application using Python, ASP.NET Core and PostgreSQL; reverse engineered and documented existing behaviour. Cloud admin & DevOps on Azure and AWS.
- Developed responsive UIs with React/Next.js, Tailwinds CSS, TypeScript/ JavaScript, Sass, CSS, & HTML. Integrated services using RabbitMQ and Redis, and deployed to AWS and Azure.
- Built media processing and analysis tools in C#, Python and Java, including frame editing and logo detection.

- Extensive upgrade, rewrite, & extension of SQL code for a longstanding mission-critical production system.
- Developed CI/CD pipelines, GitHub Actions and Python/Bash scripts; AWS, Azure, Google, and Docker admin.
- Crafted SQL scripts. Coded integrations to Databricks warehouse, & dataflows with Oracle & MS SQL Server.
- MS Dynamics CRM development, administration, & customization, C#/.NET programming, & extensive MS SQL Server SQL modelling, development, & administration. CI/CD pipelines. Azure DevOps & deployments.
- Created web apps & interfaces using React.js, React Router, CSS, Tailwinds CSS, TypeScript, Redux, & axios.

Scotiabank - Full Stack Web Developer | Jan–Apr 2020, and during COVID lockdown, Sep 2020–Aug 2021
- Developed a Caribbean banking app, mortgage workflow, and file transfer tool. Built REST API with Java Spring Boot, SQL, Oracle, & Google Cloud. Coded & tested responsive UIs with React, Typescript/ JavaScript, Tailwinds CSS, HTML, Redux, & React Router, addressing OWASP security, & to WCAG/AODA accessibility requirements.

Regional Municipality of Peel ~ April – Sept 2019 ~ **Associate - Special Events & Coordination**
- Operations, implementation, & Project Coordination for **2019** *&* ***2026*** annual Peel Children's Water Festival .

- *Artisan Web Coders* – Aug 2017 – Mar 2019; Oct – Dec 2019 ~ Designed, developed, tested and deployed web apps & REST APIs using Node.js, ASP.NET, PHP, & Django, with SQL, TypeScript, React, Vue, Angular, CSS, & HTML.
- *TD Securities* - April - July 2017 – **Developer** ~ ETL data transformations with MS SQL Server, VBA, MS Excel, & C#.
- *Venngo* - Sept 2015 – Dec 2016 – **Senior Developer** ~ React.js, Angular, PHP, Node.js, MySQL, Python, & AWS.
- *Contract, & Independent Data Reporting, & CRM Projects* – Oct 2014 – Aug 2015
  - MS Dynamics AX & Dynamics CRM development, administration, & customization, & extensive MS SQL Server development, and T-SQL & C# coding.
- *The Marketing Store (July – Aug 2015)* Data transforms, ETL, & reports via Tableau, SQL, Python, MySQL, & C#.
- *LS Travel Retail NA (Oct 2014 – May 2015)* Programmed & maintained a C#, SSRS, MS Dynamics CRM, Dynamics AX POS, & SQL Server based solution, including Point of Sale, accounting, integrations, & reporting.
- *Hammond Power Solutions* – Jul 2013 – Oct 2014 – **Senior Dynamics AX & CRM Developer** ~ C#, AX, Azure, SQL, & VBA. Significant C# & Python automation. Managed the technical work of 2 external Dynamics AX contractors.

Navantis Inc. - Sept 2011 – July 2013 – **Senior Developer – OCAS Project**
- Architecture, & development for OCAS Ontario college application portal & 11 other clients. Built solutions with ASP.NET, C#, Angular, MS SQL Server, T-SQL, Java J2EE, Node.js/Express.js, Python, Django, & JavaScript.
- Resolved a major failing DB backup issue by coordinating 7 internal consultants, and Tier 3 Microsoft support.
- Built optimized, scalable & fault tolerant DBs using SQL Server, Oracle, PostgreSQL, MySQL, & MongoDB.
- Solutions rewrites from PHP, ASP3, & VBA/Excel into modern C#/ASP.NET/MSSQL apps for 6 Navantis clients.
- MS Dynamics CRM, DAX, MS Dynamics AX development & customization with SQL Server, C#, & ASP.NET.

Xerox Canada Apr 2010 - Mar 2011 - **Application Consultant – ODM Project** ~ Python, Java, SQL, & MS SQL Server.

City of Toronto - Social Services - May 2009 - April 2010 – **Senior Developer/ Technical Coordinator – LMIS Project**
- Analysis, 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. VBA, Web, & Kiosk app.

CanWest Digital Media (now Postmedia) - Mar 2007 - May 2009 - **Systems Integrator/ Analyst**
- Web application, database, & solutions development for 17 sites & 3 projects, using C#/ASP.NET, Django, SQL, MS SQL Server, CSS, Python, VBA/VBScript/Excel/PowerShell, Java, & HTML to OWASP, AODA, & industry best practices. Coded extensions & functionality rewrites for evolving long-standing applications. MSSQL coding.

City of Toronto – PPFA dept. - April 2003 to Dec 2006 **Business Systems Integrator** *(multiple roles & contracts)*
- Systems analysis for 7 multi-tiered systems , & extensive Java, C#, Python, VBA, & SQL development for *(i)* Municipal Licensing, *(ii)* Taxi Driver Training, *(iii)* Parking Enforcement, *(iv)* Bylaw Admin, & 6 other City admin apps. 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**

Inter-American Development Bank – **Information Systems Coordinator**
Non Traditional Skills Training Project (Sep 2000 – Jul 2001) **&** *Work Force Development Consortium (*Jan 1997 – Jul 2000)
- Solo systems analysis, DBA, design, & development for a 4 country, 17 course Trades Tutorial System.
- Created & managed marketing for 4 new products, **leading to a 13% increase in corporate sales**.
- Delivered 9 live TV & radio broadcasts. Managed a 6-person IT team. IT project management for 9 products.

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
- AWS Certified AI Practitioner [AIF-C01] ~ # *AWS00395875*.
- Microsoft **MCP** certified *(# 11729851)* ~ Administration, & MCTS 2005 Admin.
- Currently pursuing TMI DTM (Distinguished Toastmasters) communication certification – ***pending Dec 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 District 123 ~ **Public Relations Manager** 2024-2025 Led an 11 person team. Managed promotions, Social Media, and multiple web & tech implementations, including administering Conference 2025 tech solutions.
- Programming Trainer/ Hackathon Coach – BlackBoysCode.org – Toronto chapter ~ July 2017 – Aug 2022.
- Member – PMI Southern Ontario Chapter (Toronto) - Project Management Institute (2009 – present)
- 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).