

RYAN JENNINGS

Vancouver, BC

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SOFTWARE ENGINEER II

Results-oriented senior software engineer with a 15-year track record of success in the IT industry. Offering a diverse skill set with extensive experience in mobile development and a breadth of knowledge in backend API development, security, and testing. Adept at delivering high quality solutions and aligning output with project requirements at all stages of the software development lifecycle.

TECHNICAL ACUMEN

Android | iOS | React Native | Xamarin | Fullstack | PWA | Java | Kotlin | Compose | Swift | Python | C++ | JavaScript | C# .NET | Multithreading | SQL | Security | JIRA | Git | Jenkins | Docker | Ansible | k8s | Redux | Isometric | MVVM | MVC | SOLID | Functional | AR | ML | Bluetooth LE | Beacons | Couchbase | AWS | Linux | ZigBee | Embedded

CAREER SYNOPSIS

Founder / CTO / Freelance Micrantha Software Solutions	2016 – Present
Native Android & Security Developer Atimi Software	2021 – 2023
Software Engineer & Python Backend Developer (Contract) Cocoflo Innovations	2020
Software Engineer II, Mobile Applications Cvent Canada (formerly QuickMobile)	2015 – 2020
Software Engineer & Linux Developer Linux Magic, Wizard Tower IT Services	2015
Software Engineer, Java Backend, Mobile & Automation ePACT Network	2013 – 2015
Mobile Application Developer QuickMobile	2011 – 2013
Developer, Mobile Applications (Contract) Panoramic Software Inc.	2010 – 2011
Quality Assurance Developer Novax Industries	2007 – 2010
Database Developer Association for Community Living	2005
Web Developer Meals on Wheels	2004
Game Developer (Freelance) Open-Source Backend Application	1998 – 2003

CAREER HIGHLIGHTS

- **Leading security initiatives in mobile development**, resulting in lifecycle penetration testing, preliminary risk mitigation for new client technology, demonstrations of exploits, and reports. Helped lead development of Android biometrics, login, documents, cryptography, and data storage for client applications. (*at Atimi Software*).
- **Leading event planner registration analytics** for the OnArrival registration application in a multinational corporation. Integrating react-native and mixpanel to develop appealing dashboards and ensure streamlined information access for large-scale client conferences (*at Cvent Canada*).
- **Outstanding participation to earn the 2017 Wireless Technology Award** with the development of an innovative beacon conference framework and wireless beacon component (*at Cvent Canada/QuickMobile*).
- **Leading mobile applications, APIs, and automation**, resulting in low-maintenance addition of new features and customers. Designed efficient data synchronization that drives UI with integrated testing. Mentored juniors with automated testing for mobile and web (*at ePACT*).
- **Significant contributions to a startup earning the 2011 BCTIA Emerging Company Award** turned into a brandable, customizable mobile application framework used at Fortune 500 conferences and events (*at QuickMobile*).
- **Pilot projects for bus priority for Translink, the City of Chicago, and traffic controllers** contributing a test plan, virtual and physical testing, embedded C++ development, and C# development for configuration applications (Novax Industries)

AREAS OF EXPERTISE

- **Mobile Development:** Demonstrates a deep understanding of native and cross platform wireless mobile application development, including iOS, Android, ReactNative, Xamarin, Web, Windows, Blackberry, and PALM. Extensive experience building robust, scalable applications with many Fortune 500 clients to ensure seamless enterprise level delivery aligned with objectives.
- **Backend API development:** Brings a breadth of expertise in designing and implementing secure and efficient RESTful APIs to support mobile applications. Skilled in frameworks such as Java EE, Python FastAPI, or Isometric React. Proficient in database management, leveraging SQL and NoSQL databases, and optimizing performance and data integrity.
- **Security and Risk Mitigation:** An advocate for software security with the ability to perform penetration testing. Skilled in identifying vulnerabilities and implementing effective security controls to protect sensitive data. Well-versed in encryption techniques, authentication protocols, and security standards, ensuring applications are safeguarded against potential threats.
- **Agile Methodologies:** Experienced in working within agile environments and driving iterative and collaborative development methodologies. Proficient in utilizing tools such as Jira and Agile/Scrum to manage project workflows and foster effective communication within cross-functional teams. Ability to work effectively in iterative release cycles ranging from 3 months to 1 week based upon the product or team.
- **Leadership:** A coach-like leader with the ability to champion continuous learning and career growth, fostering a culture of pragmatism. Effective at distilling concepts, keeping an open mind for cross-collaboration and aligning objectives.
- **Continuous Learning:** Passionate about staying current with industry trends, constantly seeking opportunities for professional growth. Actively participates in technical conferences, webinars, and online communities to remain at the forefront of the field. Adaptable and quick to learn new technologies and frameworks, ensuring the adoption of optimal tools for each project.

EDUCATION & PROFESSIONAL DEVELOPMENT

Certified Kubernetes Administrator Coursera	2023
Generative AI with LLMs Coursera	2023
AWS Certified Machine Learning Specialty LinkedIn	2023
Practical Ethical Hacking & Mobile Penetration Testing TCM Academy	2022
AWS Certified Cloud Practitioner Amazon Web Services	2021
Full Stack Development Udemy	2021
Couchbase and N1QL Couchbase Certificate of Completion	2018
Diploma, Computer Systems British Columbia Institute of Technology	2020
Certificate, Computer Systems British Columbia Institute of Technology	2015
Certified Java Developer Sun Microsystems	2009
Associate Certificate, Software Development British Columbia Institute of Technology	2007
Associate Certificate, Information Systems British Columbia Institute of Technology	2007

EXTRACURRICULAR

Community Member Commit.dev	2021 – Present
Adult Safe Hockey League Canlan Sports	2018 – Present
Blockchain Enthusiast DCTRL (Decentralized) Vancouver	2016 – 2021
Class 4 Unrestricted License ICBC	2005 – Present
Guitar / Bass / Jazz Player Hobby	1991 – Present