RYAN JENNINGS

North Vancouver, BC

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SOFTWARE ENGINEER

Objective: Eager to leverage expertise in complex software architecture and robust code development to fulfill the unpretentious role of Senior Software Engineer. With a proven track record in leading innovative software solutions and optimizing system performance, poised to significantly contribute to a dynamic engineering team.

TECHNICAL ACUMEN

Android | iOS | React Native | Xamarin | Fullstack | PWA | Java | Kotlin | Compose | Swift | Python | C++ | JavaScript | Go | C# .NET | Multithreading | SQL | NoSQL | Security | JIRA | Git | Jenkins | Docker | Ansible | k8s | IaC | Redux | PWA | Isometric | MVVM | MVC | SOLID | Functional | AR | ML | Bluetooth LE | GPS | Beacons | JVM | AWS | Linux | API | Algorithms | ZigBee | Embedded | Architecture | Networking | Pentesting | Frida | Proxies | JADX

CAREER SYNOPSIS

Founder / CTO / Freelance | Micrantha Software Solutions   **2016 – Present**
- Spearhead the strategic planning, development, and operational management of Micrantha Software Solutions, while simultaneously providing expert freelance consulting services to drive technology innovation and deliver cutting-edge solutions to clientele.

Native Android & Security Developer | Atimi Software   **2021 – 2023**
- Spearheaded the development of robust native Android applications and implemented comprehensive security protocols at Atimi Software, ensuring optimal performance and safeguarding user data integrity.

Python Backend Developer (Contract) | Cocoflo Innovations   **2020**
- Spearheaded the development and optimization of robust backend systems using Python for Cocoflo Innovations, enhancing application performance and scalability while ensuring seamless integration with front-end technologies during the contract tenure.

Software Engineer II, Mobile Applications | Cvent Canada (formerly QuickMobile)   **2015 – 2020**
- Spearheaded the development and optimization of innovative mobile applications for event management, significantly enhancing user experience and functionality while adhering to cross-platform compatibility standards within the Cvent Canada framework.

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

- **Outstanding participation to earn the 2017 Wireless Technology Award** in conferences with the development of an innovative beacon framework component with notifications from configuration *(at Cvent Canada/QuickMobile)*.

- **Spearheading native mobile applications, APIs, and automation** resulting in a low-maintenance mobile application. Designed efficient synchronization for data that drives UI with integrated automated testing *(at ePACT Network)*.

- **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)*.

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- **Pilot projects for bus priority for Translink, the City of Chicago, and traffic controllers** contributing a test plan, virtual and physical testing, GPS automotive embedded C++ development, and C# development for configuration applications *(Novax Industries)*

AREAS OF EXPERTISE

- *Enterprise Mobile Development:* Demonstrates a deep understanding of native wireless mobile application and framework development, including iOS, Android, ReactNative, Xamarin, Web, Tablets, Windows, Blackberry, and PALM. Extensive experience building robust, scalable enterprise application products with many Fortune 500 clients.

- *Backend & Infrastructure development:* a breadth of expertise in designing and implementing secure and efficient RESTful APIs to support applications. Experienced in Java EE, Python FastAPI, Postman, AWS. Skilled in Terraform, and Ansible. Proficient in database management, normal form, and leveraging SQL and NoSQL databases.

- *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 and privacy. Well-versed in encryption techniques, authentication protocols, and security standards.

- *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, cross-collaboration and aligning objectives.

- *Continuous Learning*: Stays current with industry trends, seeking opportunities for professional growth. Participates in technical conferences, webinars, and online communities. Adaptable and quick to apply new technologies, 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**
Diploma, Computer Systems | British Columbia Institute of Technology	**2020**
Couchbase and N1QL | Couchbase Certificate of Completion	**2018**
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

Audio and Video Technician / Security | Lynn Valley United Church	**2024 - Present**
Adhoc DefCon64 (Mainland Advanced Research Society)	**2023 – Present**
Adhoc Community Member | Commit.dev	**2021 – 2023**
Adult Safe Hockey League | Canlan Sports	**2018 – Present**
Adhoc Blockchain Enthusiast | DCTRL (Decentralized) Vancouver	**2016 – 2023**
Class 4 Unrestricted License | ICBC	**2005 – Present**
Guitar / Bass / Jazz Player | Hobby	**1991 – Present**