

Michael Suriawan

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TECHNICAL SKILLS

Languages: Java, Kotlin, C#, Python, JavaScript, TypeScript, C, SQL (PostgreSQL, Oracle), HTML/CSS/SASS
Frameworks: Spring, .NET, Angular, React, NgRx, RxJs, Nginx, Django, Cypress, Selenium, JUnit, Node.js
Developer Tools: Git, Docker, Amazon Web Services (AWS), Jenkins, Ansible, Azure DevOps, Jira, Firebase
Specialties: Full-Stack, Frontend, Backend, Cloud, DevOps, CI/CD, System Design, Automation, AI/ML

PROFESSIONAL WORK EXPERIENCE

Software Engineer II February 2022 – Present
Copperleaf Technologies Inc Vancouver, BC

- Lead the **.NET** modernization initiative to migrate 25 legacy ASP.NET Web Form pages to **Angular**
- Enforced & implemented a **digital signature** workflow for export-import processes between client instances, reducing cybersecurity vulnerabilities by 20%
- Leveraged .NET's **asynchronous programming** capabilities & **Roslyn API** to automatically populate clients' C# files, reducing their code-writing time by 75% & making the C# import process to be 99% reliable
- Implemented **Hibernate** multi-session (L2) caching with **EhCache3**, improving the API's performance by 30%
- Utilized **Ansible** & **Docker** to connect **AWS EC2** instances with **New Relic** for better platform observability
- Deployed heartbeat tests with PagerDuty using **Cypress.io** & **Jenkins**, improving the application monitoring
- Mentored co-ops & juniors through series of code walkthroughs, debugging & pair-programming sessions

Software Engineer I May 2021 – February 2022
Copperleaf Technologies Inc Vancouver, BC

- Developed an importer that parses & pushes customer data to **GitHub Enterprise** as branches via **JGit**
- Developed a C# serializer with **Apache Velocity Template**, transforming client's workflow to be "low-code"
- Implemented **localization** in **10 supported languages** which improves the application's global user experience
- Accelerated the team's integration test pipeline by 67% through the use of **JUnit** & the **Mockito** framework
- Built an image-uploading feature with **Amazon S3** to aid Tech Sales' team with their demos & presentations

Software Developer Co-op January 2020 – September 2020
Copperleaf Technologies Inc Vancouver, BC

- Developed new API endpoints to fetch & summarize customer's internal reporting data from **Amazon RDS**
- Refactored backend services using **Design Patterns** that improved the storing & reporting engine speed by 8%
- Improved the application's **E2E** test coverage by 35% through the use of **Selenium** & **JQuery**

Manufacturing Engineer Co-op August 2018 – January 2019
GEA Refrigeration Canada Richmond, BC

- Built GEA's manufacturing team's budget & time calculator by leveraging both **Visual Basic** & **Python**

EDUCATION

University of British Columbia Vancouver, BC
Master of Data Science (Currently Attending) 2024 – 2025

University of British Columbia Vancouver, BC
Bachelor of Applied Science, Major in Mechanical Engineering (GPA: 85.0%) 2016 – 2021

CERTIFICATION

Amazon Web Services (AWS)
Certified Solutions Architect - Associate October 2023

TECHNICAL PROJECTS

Twitter Clone | [Link](#), [FE Repo](#), [BE Repo](#) 2019

- Developed APIs for login authentication, image uploads & user notifications by utilizing **Node.js** & **Firebase**
- Leveraged **React** & **Material-UI** to simplify the application's components creation step for grids, cards & buttons