Michael Suriawan

604-710-3073 | michael08ace@gmail.com | linkedin.com/in/michael-suriawan | michaelsuriawan.tech | github.com/mikem2m

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**, improving the load-time of these pages by 50%
- 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**, enhancing the API's performance by 30%
- Utilized **Ansible** & **Docker** to connect **AWS EC2** instances with **New Relic** for 100% platform observability
- Deployed heartbeat tests with **Cypress**, **Jenkins** & PagerDuty, revamping the app's health-check procedure
- 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**, improving the efficiency of the customer support team by saving over 400 staff hours per year
- Created a C# serializer using **Apache Velocity Template**, streamlining the client's workflow to a 'low-code' model, improving efficiency & reducing development time by 90%
- Accelerated the team's integration test pipeline by 67% through the use of **JUnit** & **Mockito** framework
- Implemented **localization** in **10 supported languages** which boosts the application's global user experience
- 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