MICHAEL SURIAWAN

[in] **LinkedIn** | ☎ **604-710-3073** | 🌐 **michaelsuriawan.tech** | ✉ **michael08ace@gmail.com** | **GitHub**

Technical Skills

- Python | Kotlin | Java | C# | JavaScript | TypeScript | Spring | .NET | Angular | React | NgRx | Redux | RxJs | Git
- HTML | CSS | SASS | SQL | Django | Selenium | Cypress | Docker | Jenkins | PostgreSQL | Oracle | Firebase | Azure
- Frontend | Backend | Full-Stack | CI/CD | Unit Testing | System Design | English, Indonesian – Bilingual Proficiency

Professional Work Experience

Copperleaf Technologies - Intermediate Software Engineer   *Vancouver BC* | February 2022 - Current

- Secured the application's API endpoints with custom expression handlers and permission filters via **Spring Security**
- Fixed the application's cybersecurity vulnerability by enforcing **Signature Encryption** for imported XLSX & SQL files
- Developed an XLSX importer that parses client framework data to **GitHub Enterprise** server as branches via **JGit**
- Wrote and deployed **Cypress** heartbeat test using **Docker** and **Jenkins** to monitor the application's availability
- Improved the team's unit & integration tests performance speed by 67% through the use of **Mockito** framework
- Mentored co-ops on the team through series of code walkthroughs, debugging as well as pair-programming sessions

Copperleaf Technologies – Junior Software Engineer   *Vancouver BC* | May 2021 – February 2022

- Member of Copperleaf's *Value* team that specializes as a full-stack software engineer
- Built a two-way **C# serializer** by utilizing **Apache Velocity Template** engine & **C# Roslyn Analyzers**
- Designed an image-uploading feature by leveraging **Amazon S3** Cloud Object Storage
- Participated in **code reviews** with other engineers to make sure that the quality of the code are always maintained

Copperleaf Technologies – Software Developer Co-op   *Vancouver BC* | January 2020 – September 2020

- Member of Copperleaf's *Predictive Analytics* team responsible in delivering the best investment strategies for clients
- Developed a new user interface with responsive components along with its RESTful APIs by leveraging **AngularJS**
- Designed new API endpoints to fetch & summarize customer's internal reporting data via the **.NET Framework**
- Refactored backend services code using **Design Patterns** that improved the storing & reporting engine speed by 8%
- Improved the team's **E2E** test coverage by 35% through the use of **Selenium** & **JQuery**

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

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

Education

Bachelor of Applied Science – The University of British Columbia   GPA: **85.0%** | 2016 – 2021
Major in Mechanical Engineering – Degree with Distinction

Technical Projects

Twitter-Clone Social Media   Link | FE Repo | BE Repo

- Social media application where user could create, like & comment on posts with an active notification system
- Developed multiple APIs for login authentication, image uploads & user notifications by utilizing **Firebase**
- Leveraged **Material-UI** to simplify the components creation of grids, cards & buttons

Tetris   Link | Repo

- Fully-functioning *Tetris* game for the web browser that gets progressively more difficult further into the game
- Leveraged **React lifecycle hooks** to determine *Tetris* pieces orientation & location moving downwards with time

Sudoku Solver   Link | Repo

- Webpage that solves a *Sudoku* question board by utilizing generative recursion & backtracking approach

Awards

- Faculty of Applied Science: 2019 Dean's Honour List – The Univiersity of British Columbia – 2019W Session
- Faculty of Applied Science: 2018 Dean's Honour List – The Univiersity of British Columbia – 2018W Session