

LOYYEE KO, DAVID

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EDUCATION

Computer Programming Diploma

Algonquin College, Ottawa, Canada

2023 - Present

- GPA: 3.95/4.0, Dean's List

Bachelor of Communication & Journalism

Chu Hai College of Higher Education, Hong Kong

2005 - 2009

RELEVANT EXPERIENCE

Frontend Developer

Jan 2023 - Aug 2023

Snaildy Education Ltd, Hong Kong

- Created dashboard development for monitoring over 30 schools.
- Undertook parsing a CSV file with 1400 rows into JSON and seed into MongoDB for teachers' use.
- Developed serverless **RESTful** API including attendance rate calculations in controllers, marketplace quotations with MongoDB aggregate functions, and NodeJS **AWS** lambda, SQS, SNS services, etc.
- Took role as first in-house developer, worked closely with outsourced developers and took initiative to **refactor**.
- Delivered features and layouts by **shortening to delivery date by 1 month**, and collaborating closely with UI/UX designer.
- Engineered with TypeScript, Svelte, TailwindCss, MongoDB, AWS Lambda.

TECHNICAL SKILLS

- Programming Languages: **Java**, **TypeScript**, JavaScript, SQL
- Databases: **PostgreSQL**, MongoDB, Firebase, MySQL, Oracle DB, SQL Server
- Frameworks: **React**, Svelte, TailwindCSS, Spring Boot, NestJs
- Technologies & Tools: **Docker**, **Git**, **Bash**, **Linux**, Node.Js, JUnit, AWS, HTML, CSS
- Others: Object Oriented Programming, Object Oriented Analysis and Design, Database System Design and Administration, Technical Writing

PROJECTS

- **Java HTTP Server**: A challenge to understand the mechanism of Java Network Programming and HTTP Request, Response are done with basic routing support and Logger. Figuring out how Client/Server Sockets and Threads are implemented. Core Java, no dependency.
- **Distributed Synced Timer**: Distributed Synced Timer: Developed a distributed and synchronized countdown timer across different study pods for a newly opened cafe in Montreal. TypeScript, TailwindCSS, Firebase, Svelte.
- **Computer Number System Converter**: Radix conversion with a step-by-step breakdown, applying Object Oriented Programming and Functional Programming techniques. TypeScript, TailwindCSS, Svelte.

WORK EXPERIENCE

Head of Culinary

Mar 2022 - Dec 2022

Just Kitchen, Hong Kong

- Established and maintained an ingredients database, conducted data analysis, and optimized food cost calculations, **tracking over 300 products and lowering food costs by 15%.**
- Created full documented food recipes for over 30 staff including details steps.
- Delivered marketing campaign ramp up revenue by 30-50% with Hong Kong and Taiwan team.

R&D Chef

Jul 2020 - Mar 2022

foodpanda, Hong Kong

- Identified and developed over 10 new products by **mining data** using **Google BigQuery** by writing SQL queries.
- Created and managed an ingredients database, analyzed data, and optimized food cost calculations, tracking over 200 products and controlling food costs under 30%.
- Led a team of 4 for sourcing, recipe development, training, and entire lifecycle of virtual restaurant brands.
- Teamed up closely with 20 colleagues from Singapore, Malaysia, Thailand, and the Philippines, and clients including Swiss company, Gate Gourmet and an Indian startup, Rebel Foods.
- Achieved significant revenue growth, increasing monthly revenues from \$100K to \$9.5M.

Founder & Chef

Dec 2019 - Dec 2019

Rositas (pop-up restaurant), Hong Kong

- Developed business proposals and negotiated business terms with venue owner for a last-minute 2-week pop-up.
- Managed profit and loss to ensure financial sustainability and conducted hiring and interview processes for team, managed to break even with only 2 weeks of operation.
- Executed Instagram marketing campaigns attracted over 100 customers, and created ads, photoshoots, and designs.

References Upon Request