



Jonathan Wong

Software Engineer

Software Engineering graduate knowledgeable in Front-end web development, project management, and Deep Learning.

Practiced in Project Management and Software Engineering generalist roles through 6-months freelance web development with skills in ReactJS and Bootstrap CSS.

Aspired to be a Full-stack developer or a Software Engineer at a prestigious technology firm in Malaysia.



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[Jonathan Wong](#)



[jonathanWongLS](#)



<http://portfolio-jonathan.vercel.app/>

PROFESSIONAL EXPERIENCE

Project Manager and Front-end Developer

Freelance

Apr 2023 – Nov 2023

- **Led a 6-person team** in a confidential 7-month leisure activities landing page project, demonstrating expertise as **Project Manager** and **Front-end Developer** while utilizing the **Scrum** methodology by facilitating biweekly stand-ups.
- **Managed transparent client interactions** and **comprehensive requirement** collection, instilling confidence and addressing inquiries promptly.
- Resulted in the design and development of a **responsive, user-friendly landing page** using **Figma, ReactJS, React Bootstrap, CSS, HTML**, and **Material UI**.

Software Engineer Intern

Grooops Technologies Sdn. Bhd.

Nov 2022 – Feb 2023

Subang Jaya, Selangor

- **Conducted product demonstrations and participated in requirement-gathering sessions with clients** such as **TGV Cinemas**, collecting valuable feedback to enhance CMS functionalities.
- Conducted research, identified technical issues, and devised effective solutions, improving product quality and user experience.
- Developed the open-source manual related to the CMS by editing its content using **HTML, CSS** and **Bootstrap**, enhancing its readability and accessibility.

EDUCATION

Bachelor of Software Engineering (Honours)

Monash University Malaysia

Feb 2020 – Nov 2023

Subang Jaya, Selangor

- **CGPA** 3.744
- **Relevant Coursework:** Engineering Mobile Apps, Object-oriented Design and Implementation, Databases, Software Engineering Process and Management, Software Quality and Testing, Algorithms and Data Structures, Parallel Computing, Deep Learning
- **Final Year Project** in an empirical study in identifying output generated from code generation tools.

Western Australian Certificate of Education (WACE)

AUSMAT, Sunway College KL

Feb 2019 – Nov 2019

Subang Jaya, Selangor

- **ATAR (Australian Tertiary Admission Rank)** 91.05
- **Top 10%** of students who sat for WACE in 2019

SKILLS

Core: ReactJS, HTML5, CSS3, Bootstrap 4, Python, Java, Spring Boot, JavaScript, Oracle SQL, MongoDB, Tailwind CSS

Sub-Competencies: AWS (EC2, RDS, S3), JUnit, C, Unix/Linux, Docker, PostgreSQL, H2 Database, R, Tableau, Power BI, Apache XAMPP, PHPMyAdmin

Soft Skills: Project management, Problem-Solving, Communication, Collaboration, Time management, Teamwork, Adaptability

PROJECTS

Project Management System (Personal)

Full-Stack Developer

Nov 2023 – May 2024

- **Designed** and **engineered** a project management system website as an independent side project, leveraging **ReactJS**, **HTML**, **CSS**, and **Bootstrap**.
- **Implemented** features including project and task creation, user invitations via e-mail address, task timelines, priority and status assignment, and a comprehensive dashboard for project and task data.
- Integrated **user authentication and authorization** using **JWT (JSON Web Token)** and secure backend API with **Java Spring Boot**.
- Conducted **testing** of repository classes using **JUnit**, ensuring robust data integrity and optimal functionality.
- **Deployed** the ReactJS frontend on **AWS S3**, the Spring Boot backend server on **AWS EC2**, and a **PostgreSQL** database on **AWS RDS**, ensuring high availability, scalability, and robust data management.
- **Website Link:** <http://taskswift-frontend.s3-website-ap-southeast-1.amazonaws.com>
- **GitHub Link:** <https://github.com/jonathanWongLS/TaskSwift>

Covid-19 Testing Registration System (FIT3077 – Team-based)

Front-end Developer

Apr 2022 – Jul 2022

- Developed a web application for the **Software Engineering: Architecture and Design** unit that models an online COVID testing registration system with multi-user role-based login and REST API integration.
- **Jointly designed** a **SOLID** and **package-level principle-based conceptual class and sequence diagram**.
- Implemented subsystems for user authentication and booking management, including on-site, system, and phone booking, using Observer behavioural pattern with Vaadin Flow framework in Java.
- Integrated **REST API** to update user and booking information and implemented admin dashboard for real-time tracking.
- Demonstrated practical knowledge of **Vaadin Flow framework**, **REST API** usage, and **package-level design principles** while gaining hands-on experience in **web application development**.
- **GitHub Link:** <https://github.com/jonathanWongLS/covid19-registration-fit3077>

Publications

- **Assessing AI Detectors in Identifying AI-Generated Code: Implications for Education** ([Paper Link](#))

Co-Curricular

- **Technical Team Member** in **KitaHack**, a 2-month hackathon event organised by **Google Developers Student Clubs (GDSC Malaysia)** [Certificate Link](#)
- **Mentor** in **“Hello Coders” Mentor Buddy Program** organised by Monash University Malaysia [Certificate Link](#)

Additional Information

- **Languages:** English (Native), Bahasa Malaysia (Proficient)
- **Online Courses and Certificates:** [Analyze Sentiment with Natural Language API](#) (Google Cloud), [Analyze Images with the Cloud Vision API](#) (Google Cloud), [Classify Images with TensorFlow on Google Cloud](#) (Google Cloud), [Perform Predictive Data Analytics in BigQuery](#) (Google Cloud), [Detect Manufacturing Defects using Visual Inspection AI](#) (Google Cloud), [Build LookML Objects in Looker](#) (Google Cloud), [Creating Your First Spring Boot Microservice](#) (LinkedIn Learning), [Figma Essential Training: The Basics](#) (LinkedIn Learning), [Learning SQL Programming](#) (LinkedIn Learning), [Shopee Coding League](#) (Shopee), [Monash Coding League](#) (Monash University Malaysia)