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. Available to start work immediately.

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in [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)