JARED WONG

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Results-driven Junior Fullstack Engineer with a strong grasp of both front-end and back-end development. Adept at problem-solving and passionate about building innovative solutions, with specific experience in developing LLM-integrated platforms.

WORK EXPERIENCE

AI and Software Engineer Intern   **Oct 2024 - May 2025**
Pints.ai   **Singapore**

- Tech lead for the development of a LLM-powered insurance claims management and analysis tool to be used by large insurance companies for automated claim processing.
- Worked extensively on the application deployment pipeline using AWS, including Docker and Kubernetes.
- Fine-tuned and deployed custom Small Language Models (SLMs) with open-instruct and LoRa for a 30% increase in output quality.
- Created an evaluation pipeline to evaluate LLM performance based on the RAGBench framework.
- Built data engineering and processing workflows, including document chunking and preprocessing.
- Enhanced RAG pipeline for improved document querying and retrieval, increasing retrieval quality by 30%.
- Developed complex web components and features for an LLM-based research platform.

Full Stack Software Engineer Intern   **May 2024 - Aug 2024**
Holicay   **Vietnam**

- Spearheaded an internal data visualisation dashboard to extract actionable business insights, reducing data retrieval time by 90% using aggregate querying.
- Built and maintained web application components, driving significant improvements in platform functionality and features to enhance user experience.
- Engineered a Retrieval Augmented Generation (RAG) system built on a LangChain architecture for personalised travel itinerary generation.

Software Engineer Intern   **Dec 2023 - May 2024**
VisionPal   **Singapore**

- Developed key features for an integrated eyecare mobile app across both iOS and Android platforms, achieving top 100 ranking in the App Store's Health & Fitness category.
- Executed a comprehensive revamp of the application UI, delivering a more intuitive and modern design.
- Collaborated closely with cross-functional teams including product manager, optometrists and external developers to translate complex requirements into effective app solutions.

Research Engineer (Full Stack Development)   **Aug 2023 - May 2024**
NUS School of Computing Healthcare Informatics   **Singapore**

- Coordinated the development of a health management and wellness mobile app to enhance user health outcomes.
- Managed the development of backend systems to deliver scalable and efficient cloud functions for app performance.
- Partnered with the local healthcare industry to develop a mobile app aimed at supporting individuals to quit smoking.

EDUCATION

Bachelor of Computing in Computer Science (Honours)   **Aug 2022 - Present**
National University of Singapore

- Specialisation in Software Engineering
- NUS Overseas Colleges Vietnam (May – Aug 2024)
- NUS Overseas Colleges Norway (Jul – Dec 2025)

GCE A-level   **Feb 2018 - Nov 2019**
Raffles Institution

SKILLS

Programming Languages: Typescript, Javascript, Python, Java

Frontend Development: React, React Native, Next.js, HTML, CSS, Tailwind CSS

Backend Development: Node.js, NestJS, Express, Prisma, Django

Database: PostgreSQL, Firebase, Supabase, MongoDB

AI/ML: OpenAI, LangChain, Open-Instruct (LLMs)

Tools & Technologies: Redis, Docker, Git

Cloud: AWS Certified Cloud Practitioner, AWS Certified Solutions Architect

UI/UX Design: Figma, Balsamiq Wireframes

AWARDS

Medical Grand Challenge 2024 **Aug 2024**

Finalist (Top 10 team)

Developed a Clinic Decision Support System using machine learning to provide predictive assessments for fetal delivery, improving labour management for obstetricians and midwives.

Hack For Good Hackathon 2024 **Feb 2024**

Finalist (Top 5 team)

Led the development of an integrated form analysis system for a sustainability NGO, utilising AI for enhanced understanding of volunteer feedback and long-term impact assessment, providing timely and actionable insights.

PSA Codesprint 2023 **Oct 2023**

Commendation Prize (Top 15 team)

Headed a team in the development of a machine-learning-powered container distribution system, optimising logistics and distribution processes across terminals and ports to enhance efficiency and reduce operational bottlenecks.

Full Stack Software Engineer, Google Developer Student Club **Aug 2023 - May 2024**

Implemented a Volunteer Management System (VMS) for an NGO with over 50,000 volunteers, cutting management time by 90%.

NUS Orbital 2023 **Aug 2023**

Voter's Choice and Artemis (Highest Distinction)

- Spearheaded the development of a medication reminder mobile application to enhance medication management for patients with chronic patients.
- Oversaw all aspects of the project, including front-end and back-end development, design and documentation.

Lifehack 2023 **May 2023**

1st Runner Up

Led the development of a mobile app to address food waste in Singapore by enhancing food recycling efforts, driving impactful environmental change.