

Hok Heng

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PROFESSIONAL SUMMARY

Computer Science graduate and Software Engineer with hands-on experience building cloud-native, full-stack applications using AWS, React.js, and SQL. Proven track record of delivering scalable automation systems and dashboards in Agile environments. Adept at translating business requirements into technical solutions, with strong analytical skills and a continuous learning mindset. Passionate about contributing to impactful software that drives innovation and improves user outcomes.

EDUCATION

RMIT University, City Campus | Melbourne, VIC

Feb 2021 – Dec 2023

Bachelor of Computer Science

Certifications: MS Power Platform Fundamentals, IBM Developing Front-End Apps with React, IBM Cloud Computing, RMIT Resilience & Adaptability, RMIT Sustainability 101

WORK EXPERIENCE

Freelance Software Engineer | Self-employed

Apr 2025 – Present

- Developed an end-to-end serverless ETL pipeline using AWS (Lambda, S3, SQS, Textract) to automate data extraction from invoice images
- Fine-tuned a custom ML model to enhance invoice parsing accuracy for client-specific formats
- Led client consultations to gather requirements, identify bottlenecks, and inform system design
- Achieved significant time savings, improved data accuracy, and laid the groundwork for future automation scalability

Software Engineer Intern | Beyond Zero Technologies

Nov 2024 – Feb 2025

- Developed and maintained a large-scale sustainability dashboard for a leading logistic company, improving data visualisation and reporting
- Worked closely with senior developers to build backend logic and APIs, ensuring optimised database queries and scalable architecture
- Collaborated with QA and product teams to define functional acceptance criteria, leading to critical design refinements and improved user experience
- Recognised for quick learning, problem-solving, and teamwork, consistently exceeding expectations in both backend and frontend development
- Thrived in an agile environment, utilising GitHub, Jira, and Confluence for version control, documentation, and collaboration across teams

Machine Learning Engineer Intern | Sahara Space Pty Ltd

Jul 2023 - Nov 2023

- Led the development of a computer vision-based Machine Learning model capable of estimating spacecraft's pose from satellite images
- Performed testing and implemented optimisation techniques to refine the model's performance

Customer Service Team Member | Woolworths QV

Mar 2023 - Jan 2024

- Rotated in all areas, including handling customer queries, and scanning groceries, to ensure a great shopping experience
- Contributed to team building and fostered a collaborative work environment
- Demonstrated adaptability by efficiently handling various tasks and responsibilities