Farzad Hayatbakhsh

+61-422-619-437 | farzad.hayat@outlook.com | linkedin.com/in/farzad-hayat | farzadhayat.github.io/portfolio

EDUCATION

Queensland University of Technology — July 2021 – June 2026
Bachelor of Information Technology, Computer Science major — *Brisbane, Australia (online)*
- GPA: 6.68 / 7.00
- Academic focus: Cloud Computing, Algorithms & Data Structures, Machine Learning, Database Design, Systems Programming, Computer Networking
- Developed leadership via College of Excellence workshops

EXPERIENCE

Quality Assurance Engineer — December 2023 – February 2025
Tiny Technologies, TinyMCE — *Brisbane, Australia (hybrid)*
- Performed end-to-end, smoke, and exploratory testing to ensure product stability across TinyMCE's high-traffic codebase (2M+ monthly downloads on npm).
- Authored stakeholder-oriented technical documentation across 23 releases and 7 new plugins.
- Utilized bug tracking and development workflows using Jira, GitHub, and TestRail, to improve issue traceability.
- Executed testing across Chrome, Safari, and Firefox for a seamless cross-browser user experience.
- Collaborated in an agile development environment with engineers, designers, and testers to deliver iterative improvements.

Freelance Consultant — September 2023 – February 2025
Medics Online — *Brisbane, Australia (remote)*
- Developed a comprehensive website for an Australian telehealth startup using WordPress, serving over 200 patients every month.
- Managed server hosting, custom email configurations, and SEO optimization, ensuring seamless online presence.
- Provisioned cloud-hosted Windows Server environments for the doctors, facilitating practice management software and integration with HotDoc.

PROJECTS

Cloud Media Transcriber (Link) | *AWS, Nginx, Express, Node.js, Docker, Terraform* — 2024
- Developed a web application for media transcription, utilizing FFmpeg for audio conversion and Whisper ASR for transcribing audio to text.
- Designed and implemented a microservices architecture for efficient resource allocation and scalability, employing EC2 for the REST API and ECS with auto-scaling for CPU-intensive tasks.
- Utilized Lambda for event-driven tasks, integrated SQS queues for decoupled service communication, and managed user authentication with Cognito.
- Implemented robust security measures including HTTPS for data in transit and encryption at rest for S3 buckets and DocumentDB, securing sensitive information with Secrets Manager and Parameter Store.

Ultimate Earth Championship (Link) | *Java, Swing, JUnit, Agile, Git* — 2023
- Engineered a Java-based game featuring character resurrection and melee combat, showcasing strong object-oriented design principles.
- Ensured software quality through rigorous unit and acceptance testing, contributing to a robust and reliable application.
- Applied Agile development methodologies to manage project timelines and deliver key milestones efficiently.

EXTRACURRICULAR

AWS Certified Cloud Practitioner: Earned in July 2025, demonstrating strong foundational expertise in cloud computing and core AWS services.

TECHNICAL SKILLS

Languages: Java, C, Python, SQL, JavaScript, Bash.
Tools & Frameworks: AWS, Linux, NodeJS, React, Terraform, TensorFlow, MongoDB, Figma, Kubernetes.