

Hammad Hassan

Parkside, SA 5063 | 0404 236 334 | hamadhassan3@gmail.com
github.com/hamadhassan3 | linkedin.com/in/hammad-hassan-a802b3190
Full working rights in Australia (recent graduate)

PROFESSIONAL SUMMARY

Software Engineer with nearly four years of building production backends in Java (Spring Boot) and Python (Django), across payments, authorisation, and scalable REST and GraphQL APIs. Recent work focuses on applied AI, shipping and deploying full-stack LLM, RAG, and agentic applications on Azure and AWS. Has also published a fully tested Java library to Maven Central and contributed to open-source projects.

SKILLS

- **Languages and Frameworks:** Java (Spring Boot), JavaScript/TypeScript (React, Vue.js), Python, RESTful APIs, GraphQL, Microservices
- **Tools:** Docker, Git, JWT, Gradle, Maven, Checkstyle, JUnit, Mockito, GitHub Actions, CI/CD, JIRA, LangChain, Azure, AWS, Claude Code, Gemini CLI, Cursor
- **Databases:** MySQL, PostgreSQL, Oracle, Microsoft SQL, MongoDB, ChromaDB
- **Machine Learning Tools:** Pandas, NumPy, OpenCV, TensorFlow, Keras, Scikit-learn, PyTorch, LLMs (OpenAI, Anthropic), RAG Pipelines, Agentic AI Frameworks
- **Operating Systems:** Windows, Linux, macOS
- **Professional Skills:** Leadership, Cross-Team Collaboration, Communication, Agile Development, PI Planning, Scrum

WORK EXPERIENCE

Software Engineer (LLM Training) | *Micro1 (Remote, Contract)* December 2025 – Present

- Review, debug, and rewrite 20+ AI-generated code tasks per week in Java, Python, and JavaScript/TypeScript for correctness, efficiency, and style
- Assess AI-generated solutions across 100+ coding problems and test cases spanning data structures, algorithms, and real-world scenarios
- Promoted to reviewer for a consistent 90%+ acceptance rate; now review and approve other contributors' submissions against coding standards

Software Engineer | *ExpertEase AI, Adelaide, Australia* July 2025 – January 2026

- Created JavaScript (React.js) UI components and Python (Django) APIs powering AI chatbots in 4+ languages and automated workflows
- Worked directly with 2 clients, turning their feedback into shipped feature improvements
- Contributed to LLM and RAG integration over dozens of sources using Claude Code and Azure pipelines

Software Engineer (LLM Training) | *Turing (Remote, Contract)* July 2024 – July 2025

- Evaluated model output across 3 LLMs, authoring 1,000 coding problems and test cases to improve reliability
- Promoted to lead a team of 3 engineers, reviewing submissions and maintaining code-quality standards

Software Engineer | *Kendis, Lahore, Pakistan* March 2024 – July 2024

- Built Bryntum charts and a two-way Jira integration that increased customer engagement by 20%
- Developed Vue.js and Spring Boot APIs for 4+ planning and tracking features

Software Engineer | *Folio3, Lahore, Pakistan* August 2021 – March 2024

- Led a feature team of 4 engineers building an Authorisation Server for subscriptions and payments (hundreds of users), integrating PayPal, Outseta, and Zendesk

- Designed and maintained 30+ RESTful and GraphQL API endpoints across multiple scalable microservices
- Enhanced ConverseSmartly, a Spring Boot and React speech-to-text app, lifting client retention by 50%

PROJECTS AND OPEN SOURCE

FawkesPath | *AI career platform (ML + LLMs)* 2026

- Built a full-stack platform (React SPA, Django REST API, two Flask ML microservices on Azure) that turns a résumé into a personalised career plan via skill prediction (XGBoost), pathway modelling (LSTM), and an LLM chat (Gemini via LangChain)
- Raised career-clarity self-ratings from 3.6 to 4.2 on a 5-point scale in an 11-participant user study

LiveWell | *Agentic AI healthy-ageing companion* | [GitHub](#) 2025

- Engineered an agentic AI companion (Claude and Gemini) with 22 tool-calling capabilities including RAG and frailty-aware goal setting; Django REST backend with a React Native/Expo mobile app and React web client, containerised with Docker on Azure

Outseta-Client | *Java library* | [GitHub](#) | [Maven Central](#) | [Featured by Outseta](#) 2023

- Published an open-source Java client for the Outseta API with 100% unit-test coverage and CI/CD via GitHub Actions; released on Maven Central

OpenRemote | *Open-source contribution* | [2 merged PRs](#) 2025

- Contributed code to OpenRemote (open-source IoT platform) through 2 pull requests that were peer-reviewed, approved and merged

EDUCATION

Master of Computer Science | *Adelaide University, Adelaide, Australia* July 2024 – July 2026
GPA: 6.78 / 7.00

Bachelor of Science in Computer Science | *FAST-NU, Lahore, Pakistan* August 2017 – June 2021

CERTIFICATIONS & COURSES

- **AWS Certified Machine Learning Specialty** | *AWS* 2021
- **Spring Boot Unit Testing with JUnit, Mockito, and MockMvc** | *Udemy* 2021

VOLUNTEER EXPERIENCE

Festival Committee Member | *MOSAIC, Adelaide, Australia* January 2025 – Present

- Led a team of 10 volunteers organising monthly Community Nights as “Friend of MOSAIC”
- Won the 2025 volunteer award; now organising a multicultural festival for 500 attendees

ACHIEVEMENTS

- Golden Key International Honour Society Member, in the top 15% of students globally June 2025