

ABHISHEK MARROUTHU

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PROFESSIONAL SUMMARY

Backend Software Engineer with 2.5+ years of commercial experience across Java/Groovy microservices and production systems processing millions of daily financial transactions for Tier-1 clients including JPMorgan Chase and Citibank. Currently completing a Master of Information Technology (Software Development) at UTS, graduating May 2026. Fast learner with a track record of owning critical production systems independently under pressure. Actively building skills in Python, data engineering and applied AI to transition into AI-integrated backend roles.

PROFESSIONAL EXPERIENCE



InvestCloud, Inc. | Bangalore, India

Software Engineer

(Client Success Pod team and Backend team)

(January 2023 – July 2024)

- Developed and maintained Java/Groovy microservices on AWS in a multi-tenant architecture, which handled millions of daily transactions, serving 20+ enterprise financial clients.
- Built and maintained a backend e-payment system, involving complex ACLs and multi-tenancy for secure, scalable access management.
- Resolved 100+ production incidents for Tier-1 financial clients including JPMorgan Chase, Citibank, RBC and many other Tier-2 clients, including 8–10 critical L2 service-bridge failures independently diagnosed under after-hours on-call conditions.
- Used AWS monitoring and logging tools to investigate and resolve production API failures, faulty requests and data issues across Tier-1 client environments.
- Optimized Postgres/Oracle queries, significantly reducing runtime and improving throughput for financial reporting pipelines and collaborated with DBAs for seamless deployment.
- Collaborated across QA, frontend and platform teams to ship feature releases across production environments.

Trainee Software Engineer

(Backend team)

(January 2022 – January 2023)

- Enhanced and maintained Java and Groovy microservices.

- Built JPA entities, managers and microservices while supporting Postgres/Oracle deployments across staging and production.
- Wrote and maintained integration tests using Spock framework, improving service reliability across staging and production deployments.



Deloitte Australia

(December 2024 – November 2025)

Casual Technical Writer

- Produced technical documentation for AI and data-driven deliverables across fintech, media and electric mobility sectors serving 3+ Fortune-level clients.
- Translated complex system architectures and algorithms into stakeholder-ready reports for cross-functional teams.

INTERNSHIP/INDUSTRIAL TRAINING



Qspiders:

(July 2021 – December 2021)

Software Testing Training Institute

- Trained in Java, SQL, manual testing and Selenium automation; built foundational backend skills supporting transition to software engineering.



Exposys Data Labs

(December 2020 – June 2021)

- Built an NLP-based language translation model using Python, NumPy and Pandas, covering data preprocessing, model training and evaluation on a real-world text dataset.

ACADEMIC PROJECTS and LEADERSHIP

Stock Trading System (University Project) - Database Design & System Planning **University of Technology Sydney | 2024**

- Designed a relational database schema for a stock trading platform inspired by real-world exchange workflows.
- Modelled core entities including user profiles, portfolios, stock listings, transactions and trading strategies using entity-relationships modelling.
- Applied data normalization principles and referential integrity to reduce redundancy and ensure accurate, consistent financial data.
- Built a scalable backend data model to support buying, selling, and portfolio management processes.

TECHNICAL SKILLS

Proficient:

- **Programming Languages:** Java, Groovy, Python
- **Backend Frameworks:** Spock Framework, JPA (Java Persistence API)
- **Databases:** SQL, Oracle DB, Postgres
- **Cloud Platforms:** AWS
- **Version Control:** Git
- **Operating Systems:** Linux, Windows
- **CI/CD:** Jenkins
- **Methodologies:** Agile/Scrum, RESTful API Development, Distributed Systems

Familiar:

- **DevOps & Automation:** Ansible, Docker
- **Additional Tools & Libraries:** Hibernate, CouchDB, Shell Scripting, Pandas, NumPy, NLP libraries
- **Testing & Scripting:** Manual Testing, Selenium

EDUCATION

University Of Technology Sydney (UTS)

(August 2024 - Current)

Master of Information Technology

Majoring in Software Development

PES University, Bangalore

(2016-2020)

Bachelor of Technology in Mechanical Engineering

Specialization in Automobile

- Built engineering rigour through systems thinking, precision under constraints and cross-disciplinary problem solving, the same foundation applied to backend software architecture.