Abdullah Abid Jaswal

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SUMMARY

I am a recent RMIT Master of IT graduate with experience in full-stack software engineering and cloud computing. I enjoy solving problems, working with cross-functional teams, and translating between technical and non-technical stakeholders to align on trade-offs and deliver solutions. I care about maintainable, testable code and build fast, reliable end-to-end features.

SKILLS

- **Languages:** C#, JavaScript, TypeScript, Python, Swift
- **Backend:** ASP.NET, Django, Node.js (Express)
- **Frontend:** HTML, CSS, React (Next.js), Tailwind, SwiftUI
- **Databases:** MS SQL Server, PostgreSQL, MongoDB, Redis
- **Testing:** Jest, xUnit, Playwright
- **Cloud & Tooling:** AWS (EC2, ECS, Lambda, S3), Docker, Terraform, Git, CI/CD
- **Knowledge Areas:** RESTful, WebSockets, OOP, SOLID, MVC, Entity Framework (EF), SignalR, OAuth 2.0, JWT, Agile

EDUCATION

- **Master of Information Technology**   **Jul 2023 - Jul 2025**
  RMIT University   *Melbourne, Australia*
  - GPA: 3.5/4.0
  - Relevant Coursework: Cloud Computing, Web Programming, Database Applications, IT Infrastructure & Security, iPhone Software Engineering
- **Bachelor of Software Engineering**   **Sep 2017 - Aug 2021**
  Beaconhouse National University   *Lahore, Pakistan*

EXPERIENCE

- **Software Engineer**   **Sep 2021 - May 2023**
  Tabir Academy   *Lahore, Pakistan*
  - Modernised the EdTech platform from a legacy monolith into a scalable full stack using Django APIs and Next.js, providing platform-wide REST patterns and server-side page rendering.
  - Maintained and evolved the ASP.NET quiz service to align with the new architecture, delivering REST endpoints and SignalR real-time updates integrated with platform microservices and the Next.js application.
  - Handled AWS operations and deployed microservices on Elastic Beanstalk and ECS with auto-scaling for 10K+ concurrent users.
  - Managed MS SQL Server and PostgreSQL databases, providing high availability and fault tolerance with data redundancy.
  - Improved page load speeds by 50% using Redis distributed caching for high-traffic endpoints and optimised Entity Framework (EF) queries, reducing overall database load.
  - Configured JWT and OAuth 2.0 (Google, Facebook & Apple) authentication to secure the API lifecycle with user authorisation and token management.
  - Collaborated with engineering, product, and content teams to improve platform UI/UX and content delivery, focusing on user-centric design.

CERTIFICATIONS

- **AWS Certified Solutions Architect - Associate**   **Nov 2023**
- **AWS Certified Cloud Practitioner**   **Jul 2022**

PROJECTS

- **Postgrad IT Project - RMIT:** Built a scheduling application using React (Next.js) frontend and MiniZinc optimisation scripts for Fibreglass Transport Equipment Ltd., integrating with backend APIs and reducing manual scheduling from 2 days to under 10 seconds.
- **AI News Summariser:** Implemented a SwiftUI iOS application using MVC patterns, OpenAI GPT and World News APIs for instant news summarisation from multiple sources, breaking news notifications, and customisable interface options.
- **Mutual Funds Analyser:** Built a mutual fund analysis platform (Django, React, AWS Lambda, Redis), implementing web scraping pipelines for 200+ funds and providing daily updated analytics.

ACTIVITIES

- **SWITCH x CSIT Hackathon - RMIT:** Built a full-stack web application in 24 hours that lets students form teams by syncing academic calendars and matching on shared assignments.
- **Industry Experience Program - RMIT:** Volunteered for a cross-functional project with students from multiple RMIT departments, delivering market research, strategy recommendations, and a Tableau dashboard for Greenlab Energy.