ABID MIAH

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PROFESSIONAL SUMMARY

As a Software Engineer at NatWest, I design, develop, and deploy scalable software solutions that support the bank's digital transformation. I collaborate with cross-functional teams to build and enhance applications that improve business efficiency and customer experience. I hold ISTQB and AWS Certified Cloud Practitioner certifications, and my goal is to continue growing as a software engineer by building reliable, scalable systems and contributing to impactful, high-quality technology solutions.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, C#, SQL, HTML, CSS
Frontend: React.js, Vue.js, Tailwind CSS, Bootstrap
Backend: Flask, Django, Express.js, Spring Boot, REST APIs, PostgreSQL
Cloud & DevOps: AWS, Docker, Terraform, Kratix, Kubernetes, GitLab CI/CD
Testing: Playwright, Selenium, JUnit, Cucumber
Developer Tools: Postman, pgAdmin, VS Code, IntelliJ IDEA, Jira, Confluence, Git

WORK HISTORY

Software Engineer   Sept. 2024 – Present
NatWest Group – Software Engineering Graduate Scheme   *London, UK*

- **Hosting Solutions – PAAP Enablement Team**
  * Developed **Kratix** Promises using Python scripting to automate infrastructure provisioning workflows and platform capabilities for internal product teams
  * Worked with **Kubernetes** environments using **kubectl** to monitor deployments, troubleshoot issues, and validate platform configurations
  * Used **Terraform** to provision and manage **AWS** infrastructure, integrated with CI/CD pipelines for automated deployment and lifecycle management

- **Internal Audit – Web Apps & Tools Team**
  * Developed **"AskCapri"**, a GenAI-powered audit assistant using Flask and PostgreSQL, enabling auditors to query audit standards and retrieve context-aware responses
  * Built **"ClarifAI"**, a full-stack GenAI platform using Flask, React, Tailwind CSS, and shadcn/ui to automate large-scale document summarisation and insight generation using GenAI
  * Designed and deployed a **GenAI Code Review Tool**, integrating LLM workflows with secure REST APIs and database storage to automate code validation and audit reporting
  * Delivered scalable full-stack features including REST endpoints, database schemas, and responsive frontend interfaces, supporting production deployment within internal audit workflows

- **Wealth CDIO – API Management Team**
  * Developed backend microservices using **Java, Spring Boot, and REST APIs**, supporting secure integration between core banking systems and internal Wealth platform services
  * Engineered automation for the **FDS Kafka cleanup process** using the Kafka Lenses API, programmatically managing topic retention and eliminating manual environment reset failures. Reduced manual retries from **3-4 per cleanup to near zero** and improving environment setup reliability
  * Improved operational efficiency by saving approximately **25 man-days per year** and reducing Kafka cleanup job failure rates by **over 80%** across SIT and development environments
  * Designed and validated service integrations using **OpenAPI Spec, GitLab CI/CD, and Postman**, contributing to stable and scalable deployment of distributed microservices

Junior SDET Consultant   Jan. 2024 - Aug. 2024
nFocus Testing   *London, UK*

- Developed and automated test scripts using Selenium and Playwright, with TypeScript as the primary programming language, to ensure comprehensive test coverage and reduce manual testing efforts
- Implemented functional, regression, and end-to-end tests, significantly lowering the time required for test execution and increasing the efficiency of the testing process

Web Developer Trainee   Oct. 2023 - Dec. 2023
La Fosse   *London, UK*
- La Fosse Academy, an award-winning training academy that supercharges technology careers. During an intensive 12-week course, learnt technology fundamentals
- Engaged in hands-on learning and real-world projects, including building applications, working with databases, and following Agile development practices, demonstrating practical knowledge in software development

Java Demonstrator   Sept. 2022 - Dec. 2022
Queen Mary University of London   *London, UK*
- Assisted lecturers in delivering engaging and informative lectures, fostering a conducive learning environment
- Provided individualised support and guidance to first-year students in procedural programming module, providing debugging and problem-solving support in lab sessions

EDUCATION

Queen Mary University of London   London, UK
*Bachelor of Science (Hons) in Computer Science with Management (ITMB), [**First Class Honours**]*   *2020 – 2023*

Ashcroft Technology Academy   London, UK
A Levels: Business Studies (A), Computer Science (B), Biology (C)   *2018 – 2020*

Rutlish School   London, UK
GCSEs: Mathematics (6), English (7), Science (6s), and 9 Additional Subjects   *2013 – 2018*

ACHIEVEMENTS/CERTIFICATIONS

- **AWS Certified Cloud Practitioner,** Certified Date: 01-02-2026

- **ISTQB - CTFL (Certified Tester Foundation Level),** Certified Date: 01-02-2024

- **NatWest SE Working Party (SEWP) – Professional Development Stream (2025):** Selected member contributing to early careers engineering development initiatives. Designed and delivered a structured **6-week full-stack and GenAI technical project** for interns and helped organise engineering knowledge-sharing sessions from seniors across different teams, attended by **60+ colleagues**.

- **IBM x NatWest GenAI Hackathon – Runners Up (2025):** Worked within a team alongside **IBM specialists and senior NatWest engineering leaders** to design and pitch a **GenAI-driven solution**, showcasing scalable architecture and real-world fintech applications. Our team came **2nd** out of 11, pitching Bee-Accelerated, a spin-off accelerator designed to empower aspiring entrepreneurs, seamlessly integrating IBM Cloud, Blockchain, and WatsonX.ai alongside a Mettle account.

- **NatWest Aspire Innovation Challenge Hackathon – Winner (2024):** Designed and pitched **CareerXcel**, an ideation of a gamified career development mobile platform featuring skill-matching, progression tracking, and reward-based learning. Worked in a team to define system architecture, product features, and technical feasibility, presenting to senior engineering and business leaders and winning **1st place**.

- **Content Creator:** Generated over **1.3 million+ organic views** with over **5,000 subscribers**. Honed valuable skills in time management and cultivated my creativity through video planning, editing, and production while expressing my artistic vision as a YouTube Content Creator.