

Samien Shaheed

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WORK EXPERIENCE

Wavelet Solutions Sdn Bhd | *Angular, Spring Boot, PostgreSQL*

Subang Jaya, Malaysia

Software Developer, Fullstack

Feb 2025 – Present

- Delivered a new consignment applet and enhanced existing consignment workflows (including GRN, GIN, stock transfers, returns and billing) within the ERP platform.
- Assisted in onboarding 3+ clients onto the consignment system, supporting setup, training, go-live readiness, and post-deployment stabilization.
- Performed SQL-driven data analysis on stock movement and inventory transactions to identify discrepancies, support root-cause investigation, and assist issue resolution.
- Supported project delivery by helping manage requirements, prioritization, and user training, while providing ongoing multi-client support (office-hours and weekend coverage) to ensure timely resolution of operational issues.

Square InformatiX Limited | *Laravel, MySQL, GitHub Actions*

Dhaka, Bangladesh

Software Engineer Intern

Oct 2024 – Jan 2025

- Led a team of interns to develop an Inventory Management System ERP using Laravel and PHP, using **CI/CD pipelines** for testing and deployment.
- Designed a **database architecture** that allows end users to generate meaningful data and reports, such as stock levels, item receiving vs issuing trends, and defective item trends to facilitate detailed stock analysis.
- Built scalable **RESTful APIs** for the system's backend using the **MVC Framework** to handle processes like retrieving stock levels, tracking warranty details, and low-stock alerts.

University of Nottingham | *PyTorch, MATLAB*

Selangor, Malaysia

AI Research Intern

May 2022– Sep 2022

- Implemented Fourier Neural Operators (FNO) to improve computation time for Radio Frequency Ablation (RFA) treatment simulations using **PyTorch**.
- Created custom data generation scripts on **MATLAB** to generate synthetic datasets to facilitate further research into RFA simulations using FNOs.

PERSONAL PROJECTS

Bytly - Social Food Review App | *React Native, Expo, Supabase, TypeScript*

Jul 2025 - Dec 2025

- Built an IOS social-based mobile app enabling users to discover restaurants via a map-based interface, write reviews, and share experiences exclusively with friends.
- Implemented map-based restaurant discovery with react-native-maps, providing detailed restaurant information and interactive navigation.
- Developed social networking features including friend management, activity feeds, and wishlists.

Event Management Automation System | *Angular, Spring Boot, PostgreSQL, Firebase*

Jul 2024 - Jul 2025

- Designed and developed a centralized, web-based portal to automate participant registration, project submissions, judging, and communication for Abu Dhabi University's Undergraduate Research and Innovation Competition (URIC).
- Built tailored dashboards for participants, administrators, and judges, enabling role-specific access, dynamic form validation, and secure submission management.
- Implemented backend workflows to streamline approval processes, assign judges, and automate email notifications, reducing administrative workload.
- Integrated PostgreSQL with Spring Boot to manage competition data and ensure accurate, real-time reporting.

EDUCATION

University of Nottingham

Selangor, Malaysia

B.Sc in Computer Science

Sep 2021 - Jul 2024

- *Awarded High Achievers Scholarship and shortlisted to the Dean's List*

PUBLICATIONS

- Loo, Y. Y., Lee, M. Y., Shaheed, S., Maul, T., & Clink, D. J. (2025). Temporal patterns in Malaysian rainforest soundscapes demonstrated using acoustic indices and deep embeddings trained on time-of-day estimation. The Journal of the Acoustical Society of America, 157(1), 1–16. <https://doi.org/10.1121/10.0034638>

SKILLS

Languages & Frameworks: Python, Java, Javascript, Typescript, PyTorch, Keras, Spring Boot, Angular, React Native
PostgreSQL, MySQL, PHP, MATLAB

Technical Skills: Machine Learning, Deep Learning, Data Preprocessing, Feature Engineering, Model Training, Model Evaluation