SALMAN FATAHILLAH

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WORK EXPERIENCE

Technical Lead & Fullstack Developer | CICON — London, UK
CICON connects shoe products to post-sale services such as repairers — May 2024 – Present

- **Backend:** Build and maintain the main backend in Next.js with PostgreSQL to handle customer orders, payments, and notifications; integrate Stripe for checkout and Twilio for automated SMS updates.
- **Frontend:** Design and develop a full 5-stage customer journey in Next.js using React, from photo upload to checkout; deliver responsive UI/UX with state management for complex multi-step workflows.
- **AI:** Develop API hosted on AWS using fine-tuned GPT-4o for shoe fault detection and repair recommendations, processing multi-image uploads; improve accuracy of service suggestions through specialised repair data.
- **Management:** Apply Agile practices to plan development cycles and deliver features aligned with business needs; organised CICON Hack 2025, managing logistics, outreach, and marketing to promote the event; lead a team of 3 developers, overseeing UI/UX improvements and QA testing to maintain high product quality.

Co-founder & Fullstack Developer | Loko — Remote, Indonesia
Loko uses technology to provide healthcare for underserved groups — Feb 2025 – Present

- **Backend:** Set up a custom open-source Community Health Toolkit (CHT) as a telehealth platform to manage TB patient records and treatment monitoring.
- **Frontend:** Build mobile forms and dashboards in CHT for Community Health Workers (CHWs) to record symptoms and track treatment progress in the field.
- **Management:** Cofound and lead the project, including researching approaches to make the platform as low-cost and resource efficient as possible.

Data Analyst Assistant | Times Higher Education — London, UK
THE is the trusted global data partner for higher education — Nov 2023 – Feb 2024

- **Validation:** Verified evidence from universities for Impact Rankings 2024, ensure data accuracy from various institutions against UN Sustainable Development Goals (SDGs).
- **Quality Assurance:** Promoted to QA team to oversee and refine validation processes, maintaining high standards of integrity across datasets.

EDUCATION

University of Birmingham — Birmingham, UK
M.Sc. (Taught) Data Science | Distinction

Institut Teknologi Bandung (ITB) — Bandung, Indonesia
B.Sc. Chemical Engineering

24 HOUR HACKATHONS

1st Winner (won £4000) | UST D3code Hackathon 2024 — London, UK
Developed an AI-powered health solution for behavioural science-informed health guidance to rural communities. — Oct 2024

1st Winner | Hallé Archive Hackathon — Manchester, UK
Produced data-driven insights using NLP techniques to uncover gender disparities in orchestral compositions. — Apr 2024

1st Winner | Lincoln Hack — Lincoln, UK
Developed a tiger-themed prototype for mobile fitness app. — Mar 2024

SKILLS

Frontend Development: Languages: JavaScript, TypeScript, HTML5, CSS3 | **Frameworks**: React, Next.js | **Styling**: Tailwind CSS, DaisyUI | **State Management**: React Context API, Redux | **Version Control**: Git, GitHub

Backend Development: Languages: Python, Node.js, JavaScript | **Frameworks**: FastAPI, Express.js | **Databases**: PostgreSQL, Prisma ORM, SQLAlechemy | **Authentication & Security**: JWT, OAuth, Input Validation

DevOps & Tools: Deployment: Vercel, AWS (S3, EC2) | **CI/CD**: GitHub Actions | **Containerization**: Docker | **Monitoring & Error Tracking**: Sentry.io

Project Management & Collaboration: Agile Methodologies: Scrum | **Tools:** Jira, Trello, Discord/Slack