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:** Built the main backend in Next.js with PostgreSQL to handle customer orders, payments, and notifications; integrated Stripe for checkout and Twilio for automated SMS updates.
- **Frontend:** Designed and developed a full 5-stage customer journey in Next.js/React, from photo upload to checkout; delivered responsive UI/UX with state management for complex multi-step workflows.
- **AI:** Developed API hosted on AWS, utilises fine-tuned GPT-4o for shoe fault detection and repair recommendations, processing multi-image uploads; improved accuracy of service suggestions through specialised repair data and prompt engineering.
- **Management:** Applied 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; Led a team of 3 developers, overseeing UI/UX improvements and QA testing to maintain high product quality.

Cofounder & 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:** Built mobile forms and dashboards in CHT for Community Health Workers (CHWs) to record symptoms and track treatment progress in the field.
- **Management:** Cofounding and leading 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 | Oct 2024

Developed an AI-powered health solution for behavioural science-informed health guidance to rural communities.

1st Winner | Hallé Archive Hackathon　　　　　　　　　　　　　　　Manchester, UK | Apr 2024

Produced data-driven insights using NLP techniques to uncover gender disparities in orchestral compositions.

1st Winner | Lincoln Hack　　　　　　　　　　　　　　　　　　　Lincoln, UK | Mar 2024

Developed a tiger-themed prototype for mobile fitness app.

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