Kavindu de Alwis

Software Engineer

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💼 Professional Experience

Software Engineer   11/2024 – present

Avantrio ↗

Developed full-stack applications across fintech and manufacturing domains.

- Implemented a mortgage application automation system using OCR for data extraction and OpenAI models for structuring extracted data, reducing manual effort by 60% for brokers.
- Created a secure file storage and file retrieval system using AWS S3 and presigned URLs to handle sensitive customer documents.
- Built core modules of a Manufacturing Resource Planning system using Django, increasing operational efficiency for manufacturing processes.
- Technologies used: **Django, Javascript, React.js, Node.js, Prisma, Postgres SQL, Tailwind CSS, Docker**

Software Engineer (Part Time)   08/2024 – 11/2024

StreamRX ↗

Built a web-based platform for US pharmacy owners to provide detailed drug reimbursement insights aimed at profit maximization.

- Developed a price comparison dashboard with filtering capabilities to compare over 100+ drugs across 5+ insurance plans.
- Created a csv parser to extract analysed insurance plan data, reducing manual data handling effort by 70%.
- Integrated AWS S3 for secure storage of uploaded pharmacy data files.
- Technologies used: **Django, Javascript, Bootstrap CSS**

Associate Software Engineer   09/2023 – 10/2024

Avantrio ↗

Delivered modern, mobile-first web apps with optimized performance.

- Developed modern, mobile-first user interfaces using CSS frameworks like Bootstrap and Tailwind CSS.
- Integrated RESTful APIs and third-party services to expand application capabilities.
- Technologies used: **React.js, React-redux, Bootstrap CSS, Tailwind CSS**

Trainee Software Engineer   10/2021 – 09/2022

Avantrio ↗

Gained foundational experience in full-stack development and UI design.

- Implemented responsive user interfaces, to ensure seamless access to web applications across various devices.
- Integrated backend services using RESTful APIs to facilitate data exchange and extend application features.

- Documented technical specifications and code base enhancements to improve code maintainability and team collaboration.
- Technologies Used: **React.js, Next.js, Django REST, Bootstrap CSS**

🎓 Education

Bachelor of Science - BSc, Computer Science   09/2019 – 08/2023
Informatics Institute of Technology affiliated with
University of Westminster, UK
- Graduated with an upper second class honours.

G.C.E. Advanced Level   08/2019
Prince of Wales' College, Moratuwa
- Combined Mathematics - C
- Physics - C
- Chemistry - C

🧠 Skills

Programming Languages — JavaScript | TypeScript | Python | Java

Frontned Technologies — React | NextJS | Redux | Bootstrap | Tailwind | HTML | CSS

Backend Technologies — NodeJS | ExpressJS | Django

Database — MySQL | MongoDB

Other Tools — Git | Linux | Docker

🌐 Languages

Sinhalese — Native proficiency | **English** — Highly proficient in speaking and writing