

Amandee Ellawala

Telephone: 07535868368

Email: amandee.manushika.e@gmail.com

github.com/amandee27 |

linkedin.com/in/amandee/

Portfolio: www.amandee.dev/

Front-End Developer with hands-on experience in building modern, scalable web applications using frameworks such as Angular and React. Skilled in translating complex requirements into responsive, accessible, and maintainable user interfaces. Experienced in both open-source collaboration and enterprise-grade development, with a focus on component reusability, performance optimisation, and clean architecture. Proficient in implementing secure authentication, managing stateful applications, and integrating with RESTful services. Comfortable working across the full front-end development lifecycle while ensuring cross-browser compatibility and consistent user experience. Strong advocate for modular design, UI/UX best practices, and continuous learning in evolving frontend technologies.

Tech Stack

Frontend Technologies: Angular | React | TypeScript | JavaScript | HTML5 | CSS3 | SCSS | Ant Design | Material UI | Tailwind CSS | Bootstrap | Responsive Design | UI/UX Design | Component Architecture | State Management

Backend & Integration: RESTful APIs | Firebase | JWT Authentication | Express.js | Java | SQL | MongoDB | Oracle Database

Tools & Platforms: | Git | SVN | Webpack | Vercel | JasperReports | BIRT | MS SQL Server

Development Practices: Agile Methodologies | Performance Optimisation | Cross-Browser Compatibility | Debugging | Unit Testing | Code Refactoring

Career Summary

Ghostfolio | Open-Source Contributor | October 2024 – Present

- Enabled dynamic data visualisation in graphs by integrating advanced selector-based filter criteria
- Reconstructed JSON-based textarea input into a structured subform with discrete input fields
- Modularised redundant logic by extracting reusable components into a shared UI library
- Delivered multiple system enhancements and resolved key bugs improving application stability
- Extended a historical market data editor in the holding detail dialogue to allow asset data modification for manual sources
- Replaced dual sliders in rule settings with an intuitive range slider, enhancing usability
- Resolved excessive API calls in the assistant by optimising data fetch logic
- Fixed chart x-axis responsiveness on date range change to ensure accurate data representation

Persistent Systems | Software Engineer | October 2021 – July 2023

- Built Angular-based admin portal features including blacklist management, password reset, and country configuration tasks
- Integrated role-based access control using ACL for secure user permissions
- Upgraded front-end architecture from Angular 11 to 13, improving build speed and maintainability
- Reduced cross-browser UI issues by 65% through optimisation of HTML, CSS, and TypeScript code
- Implemented JWT authentication for secure backend access and session management
- Migrated reporting engine from BIRT to JasperReports by rewriting SQL queries and validating output integrity
- Developed preprocessing scripts in Java to support complex report generation workflow
- Resolved production bugs across the admin portal and reporting modules

Project: Aepona AMP – API Monetisation Platform

- The Aepona Platform helps telecom operators and enterprises securely manage and monetize APIs, exposing services like messaging, location, and payments to external partners. It enables controlled, commercial use of network capabilities.

Zelora Pvt Ltd | Software Engineer | August 2020 – June 2021

- Delivered UI enhancements for a real-time monitoring dashboard using Angular, Material UI, and SCSS, significantly improving user engagement and functionality
- Converted design wireframes into responsive layouts supporting cross-device adaptability
- Facilitated maintenance and troubleshooting of the Robot Monitoring Platform in collaboration with client teams in Singapore
- Developed REST APIs using Express.js to serve live monitoring data for dashboards
- Maintained and improved a Python-based AGV robot navigation service, including bug fixes and feature enhancements
- Administered MS SQL Server for data consistency and performance

Project: AGV Robot Monitoring Software

- Enabled real-time tracking of AGV robots, including navigation state, charging status, and route mapping, while supporting task assignment and floor plan visualisation

Virtusa | Intern | August 2018 – February 2019

- Automated Excel data extraction using Java Spring MVC and MongoDB integration, reducing manual data entry by three hours weekly
- Designed interactive dashboards using Angular, TypeScript, and Bootstrap to visualise productivity metrics with clarity and precision

Project: Employee Productivity Metrics Dashboard

- Developed an interactive web platform to centralise and visualise real-time employee productivity data for strategic insights

Selected Projects:

Workout App project

- Developed a responsive web application enabling real-time logging and scheduling of custom workout routines for diverse fitness goals
- Engineered a dynamic exercise scheduler with configurable parameters such as sets, repetitions, weights, and notes for each movement
- Implemented persistent workout history tracking and progress monitoring using Firebase Firestore, enabling longitudinal performance analysis
- Integrated Firebase Authentication to secure user access and personalise content
- Deployed scalable, serverless backend architecture using Firebase and hosted via Vercel for seamless global access and low-latency performance
- Utilised React and Ant Design (AntD) to build a user-friendly, interactive interface optimised for both desktop and mobile experiences
- Designed for a broad user base, including beginners and regular gym-goers, with emphasis on habit-building and performance consistency

Education

BSc (Honours) in Information Technology - University of Moratuwa, Sri Lanka