SIRANJEEVI MUTHUSAMY

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PROFILE

Full-Stack Developer with **4+ years of experience** in developing complex, scalable, and highly available software solutions for various businesses. Proficient in developing applications for internal operations using web technologies and programming languages like React, Next.js, ES6 JavaScript, Java, Node.js, Express.js, creating visually appealing responsive websites, gamified portals, enterprise web applications, Mobile apps and RESTful APIs. Hands-on experience in designing and building IoT systems, with experience in utilising communication protocols like Bluetooth and LoRaWAN. Directly engaged with diverse stakeholders, cross-functional teams within the company, including product managers and business leaders, communicating solutions and ensuring alignment with business requirements.

TECHNICAL SKILLS

- **Programming Languages**: JavaScript (ES6), Java, TypeScript
- **Web Technologies**: HTML, CSS, Bootstrap, React.js, Next.js, Redux
- **Backend & Data Handling:** Node.js, Express.js, Java
- **Data Structures and Algorithms**
- **CMS:** Ghost
- **Cloud Services**: Proficient in **Amazon** Web **Services** with direct experience in services like EC2, S3, Lambda, SQS, SNS, Elastic Beanstalk, SageMaker, RDS, API Gateway, Route53, AWS Code pipeline.
- **DevOps**: Git, GitHub Actions, Docker, Prometheus, Grafana, PagerDuty
- Proficient in development methodologies
- **Database:** MySQL, Firestore, CouchDB, SQLite

WORK EXPERIENCE

Full Stack Developer: Apr 2025 - Present
PRM Assist – Dublin, Ireland

- Led the development of 4+ projects simultaneously, demonstrating flexibility, adaptability and ownership across multiple tech stacks.
- Implemented "**monitoring and observability**" for Docker microservices using Prometheus, PagerDuty, and Grafana, providing actionable dashboards for application, container-level metrics and establishing an incident response service for critical systems. This reduced debugging time by 60% and improved visibility into overall system performance and error rates, allowing the team to optimise latency, plan scaling and manage system upgrades efficiently.
- Developed a "**Real-time staff location tracking system for airports**" using "**BLE Beacons and Geofences**". Coordinated with airport managers and staff supervisors throughout the development providing remote and on-site support, establishing a consistent feedback loop that accelerated rollouts and improved system reliability, achieving a 95% accuracy rate in confirming staff location.
- Architected an "**Asset tracking system for airports**" using "**LoRaWAN**"**,** capable of monitoring 300+ assets in real time. Directed infrastructure design decisions like hosting network server, database collections for efficient reads and writes and selecting suitable communication standards. Acted as the primary liaison between airport authorities and the device manufacturer, aligning requirements, resolving issues and driving successful deployment of the project.
- Revamped the company's customer-facing website with a mobile-first, responsive design, improving user experiences and usability across devices using react.js framework.

Full Stack Web Developer: Feb 2020 – Aug 2023
Amazon Development Centre – India

- Developed web products like "**CAFE, AIM, ANDON CARD**" as part of Amazon's widely used web suite called "**Galaxia**," adhering to best software development practices and coding standards.
- Optimised and revamped "**CAFE: HR Engagement Tool**" within a 3-month tight deadline, enhancing overall user experience by adding new features, refactoring old code, incorporating continuous development, and communicating user feedback to the product team.
- Led the development of an internal gamified employee idea portal called "**AIM**" as the first junior developer on the Automation team, contributing to the development of both the frontend and backend. This gained broad approval throughout the Amazon Global network and set a new benchmark for the team, resulting in a 40% increase in Galaxia's adoption across Amazon EU, NA, and the Middle East.
- Acted as a key contributor to the team by showing flexibility in supporting web products simultaneously.
- Conducted code reviews and managed development tasks through the ticketing system to make sure milestones were met on time.

EDUCATION

- **Master of Science in Cloud Computing at the National College of Ireland, Dublin: Sep 2023 – Oct 2024**

- **Bachelor's in Computer Applications at Bharathiar University, India: Jun 2015 – Mar 2018**

ADDITIONAL INFORMATION

- **Work Authorization**: Stamp 1, Immediate availability

PROJECTS

- **Algo-View –** A React application that allows visualising JavaScript's data structures and algorithms – Live| GitHub.
- **Personal Portfolio –** Built and hosted a personal portfolio (React app) on AWS – Live| GitHub.
- **Research Project (Master's) –** Implemented Federated Learning for improving recovery in Autonomous Vehicles, utilising CNN and FNN models.
- **Other –** GitHub