

Arulmaran Gunasekaran

Front End Developer | Senior Technical Lead

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Professional Summary

Front End Developer with 10 years of experience, specializing in **frontend development**, **UI/UX optimization**, and **a11y** across diverse industries (**media, banking, healthcare, IoT**). Expertise in **React, Angular, TypeScript**, and modern frameworks, with proven success in building scalable, responsive web applications. **Proficient in Node.js, Java, and AWS**, enabling full-stack solutions. Experienced in **Agile** environments, mentoring teams, and driving performance and **user engagement** to deliver impactful **business results**.

Core Competencies

Frontend : React, Angular, JavaScript, TypeScript, HTML5, CSS3

State Management : Redux, RxJS

UX Design : Figma, Adobe Creative Cloud (Prototyping & Design Systems)

Testing : RTL, Jest, Jasmine, Karma, Enzyme, SonarQube, Unit Testing

Backend : Core Java, Spring Boot, Node.js, Express.js, Server-side Rendering, RESTful APIs, Microservices

Database : MongoDB, PostgreSQL, MySQL, S3, DynamoDB

DevOps & Cloud : AWS, CI/CD Pipelines, Docker, Git, Bitbucket, Agile/Scrum methodologies

Professional Experience

HCLTech | Senior Technical Lead

June 2021 - Present

- Enhanced platform **accessibility by integrating a11y features** to achieve compliance with **WCAG 2.1 standards**; boosted the site's overall accessibility **score from 70% to over 87%**, ensuring better **user experiences** for all.
- Led the frontend development** of a custom Media Acquisition Portal (MAP) using **React.js** and **Material UI**, improving **UI performance by 40%** and increasing user satisfaction by **40%**.
- Engineered a robust set of **reusable component libraries**, accelerating feature **development cycles by 40%** and achieving a significant reduction in code duplication, ultimately lowering maintenance efforts across the project.
- Spearheaded the integration of **AWS services** to enhance data storage efficiency, improving data retrieval speeds by **25%**.
- Collaborated with backend teams to integrate **RESTful APIs**, reducing API response times by **30%**.
- Mentored and guided 5 frontend developers**, fostering best coding practices and improving code review efficiency.

Infosys | Technology Analyst

Jan 2019 - May 2021

- Crafted **responsive banking web apps** for Oaknorth Bank using **React** and **TypeScript**, enhancing mobile **user engagement by 35%**.
- Collaborated with designers and stakeholders to revamp the UI/UX, leading to a **20% improvement in usability and client retention**.
- Facilitated sprint planning, daily stand-ups, and retrospectives, ensuring efficient Agile processes and timely project deliveries.

Luminescent Digital | UI Developer

Apr 2018 - Dec 2018

- Built an interactive **ENOC Annual Reports Platform** using **React** and **Node.js**, resulting in a **25% boost in user engagement** through charts and responsive pages.
- Ensured that the web application successfully met the client's needs for showcasing products and **financial data, contributing to better customer visibility**.

RM India | UI/UX Consultant

Sept 2017 - Apr 2018

- Directed frontend development** for the **RM Assessor** digital marking platform, enhancing evaluation efficiency by **35%** through responsive design and interactive UI components.
- Designed inclusive features to support **multi-language** assessments, increasing user adoption in global markets.
- Deployed OCR-based tools that reduced paper-based marking processes, shortening turnaround **times by 20%**.

NextGen TechEdge Solutions | Graphic / UI Designer

May 2016 - Sept 2017

- Constructed a **responsive job portal** for Jobdiagnosis, boosting **cross-platform** performance and increasing job applications by **20%**.
- Transformed the frontend using **JavaScript** and **jQuery**, **optimizing load times by 25%** and enhancing user interactions, **resulting in a 20% improvement** in user engagement.

Blasterwaves Technologies | Web Developer

Sept 2015 - May 2016

- Created interactive web modules for Northeast Sports Network, improving video streaming access and user retention.
- Applied responsive design strategies, **boosting mobile traffic by 15%**.

Projects

Scholastic (Math Pro)

Description: Scholastic Math Pro, an interactive educational platform designed to enhance mathematics learning for K-12 students through personalized practice, adaptive assessments and gamified challenges.

Tech Stack: React, Bootstrap, Java Spring Boot

Impact: Achieved **80% WCAG 2.1 AA compliance** for critical user flows (e.g., assessment taking, personalized practice modules), significantly enhancing usability for users with disabilities

NBCUniversal (Media Acquisition Portal)

Description: Media Acquisition Portal (MAP) is a solution for managing media requests, allowing users to create and process forms for tasks like downloading, scheduling, sending, and deleting media clips.

Tech Stack: React, Material UI, Styled Components, Java Spring Boot, Python, AWS services

Impact: Achieved a **40% reduction** in processing times by introducing **bulk request** handling and improving dashboard responsiveness, leading to enhanced operational efficiency.

Oaknorth Bank

Description: Oaknorth Lending App is a responsive banking web application designed to manage various account types, including Business Loans, Personal Savings, Fixed-Term Deposits.

Tech Stack: React, Bootstrap, Styled Components, Java Spring Boot, SQL Server, Jira, Git

Impact: Increased mobile user engagement by **35%** with responsive design and improved account management features, **resulting in a 98% user satisfaction** rate among employees.

Genentech Clinical Trials

Description: Genentech Clinical Trials is a web application that allows patients to schedule online appointments, receive doctor advice, and track their health and medical history.

Tech Stack: React, Typescript, Node.js, MongoDB, Jira, Git, Jenkins

Impact: Enabled patients to manage appointments easily, **reducing booking times by 30%** while improving communication between healthcare providers and patients.

Eaton Trellix

Description: Trellix Smart Spaces IoT Platform centralizes data from Wavelinx Area Controllers, manages alarms and users, and integrates with third-party systems via BACnet/IP and REST APIs. It automates control of electrical devices in industrial and office environments.

Tech Stack: Angular Framework, Material UI, Java Spring Boot, PostgreSQL

Impact: Automated device management and **monitoring, resulting in a 20%** reduction in manual maintenance efforts and improved energy efficiency in **large-scale deployments**.

ENOC Reports

Description: Emirates National Oil Company Limited (ENOC) L.L.C. is a leading integrated global oil and gas player operating across the energy sector value chain.

Tech Stack: Angular Framework, Node.js, MongoDB

Impact: Increased **user engagement by 25%** with dynamic content rendering and interactive visualizations, enabling faster access to key financial data.

RM Assessor

Description: RM Assessor is a digital marking platform that helps organizations mark assessments more efficiently and securely.

Tech Stack: React, .NET Framework, MySQL

Impact: Improved marking **efficiency by 35%** through OCR integration and responsive design, leading to quicker result processing for educational institutions.

Jobdiagnosis

Description: JobDiagnosis is an international job posting site that job seekers can use to locate new job opportunities around the world. The website collects postings from other job sites to make them easier for candidates to find.

Tech Stack: Javascript, JQuery, Php, Mysql

Impact: Enhanced job search functionality and **boosted application rates by 20%** through a streamlined and responsive interface.

Education

Master of Computer Application - Pondicherry University | *Graduated June 2015*

Bachelor of Computer Application - Bharathidasan University | *Graduated May 2012*

Awards & Recognition

HCL ERS Champion Award (2024) - Honored for significant contributions to application configuration and maintainability.

HCL ERS Champion Award (2023) - Recognized for leadership in successful project delivery and innovation.

Infosys Insta Award (2020) - Awarded for delivering a key feature ahead of schedule with exceptional quality.