# Arulmaran Gunasekaran
### Full Stack Developer | Senior Technical Lead

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## Professional Summary

Results-driven **Full Stack Developer** with **10 years of experience** specializing in frontend development, UI/UX optimization, and accessibility (a11y) across diverse industries including media, banking, healthcare, education, and IoT. Expert in **React, Angular, TypeScript**, and modern frontend frameworks with a proven track record of delivering **scalable, responsive, and accessible web applications**. Skilled at collaborating with cross-functional teams, mentoring developers, and leading projects using **Agile methodologies**. Passionate about optimizing application performance, improving user engagement, and achieving measurable business outcomes while leveraging backend technologies as needed.

## 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

- 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%.
- Developed **reusable component libraries**, enabling faster feature development and reducing code duplication by 30%.
- Implemented **a11y features achieving** compliance with **WCAG 2.1 standards**, increasing the platform's **accessibility score by 25%**.
- Spearheaded the integration of **AWS services (DynamoDB, S3)** 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

- Developed **responsive banking web applications** for Oaknorth Bank using **React** and **TypeScript**, enhancing mobile **user engagement by 35%**.
- Improved platform **accessibility (a11y)** to comply with national standards, enabling access for a wider audience and boosting overall customer satisfaction.
- 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

- Developed a dynamic **ENOC Annual Reports** Platform using **React** and **Node.js**, leading to a 25% increase in user engagement through interactive 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                                                Sep 2017 - Apr 2018

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

### NextGen TechEdge Solutions |Graphic / UI Designer                                                May 2016 - Sep 2017

- Developed a **responsive job portal** for Jobdiagnosis, enhancing **cross-platform** performance and increasing job applications by 20%.
- Led the frontend revamp using **JavaScript** and **jQuery**, improving load times and user interactions.

### Blasterwaves Technologies |Web Developer                                                Sep 2015 - May 2016

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

## Projects

### 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:** ReactJs, Material UI, 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:** ReactJs, Jira, Java Spring Boot, Git, SQL Server

**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:** ReactJs, Jira, Java Spring Boot, Git, SQL Server

**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, 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:** ReactJs, NodeJs, MongoDB

**Impact:** Increased user engagement by 25% 8 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:** ReactJs, .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.

### Northeast Sports Network

**Description:** Northeast Sports Network is the premier sports website featuring state or the art live video streaming technology, on demand video, game articles, featured columns, photos, message boards, blogs, and more.

**Tech Stack:** Javascript, Jquery, Php, Mysql

**Impact:** Improved live streaming **reliability, increasing viewership by 15%** and reducing buffering complaints significantly.

## 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.

**Google RFP (UX AdobeXD) (2019) -** Developed an impactful UX design proposal for Google Testing Services.