

# Paalamugan Samayamuthu

Senior Software Engineer – Full Stack



## Personal details

### Name

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### Website

paalamugan.com

### Certifications

paalamugan.  
com/certifications

### LinkedIn

linkedin.  
com/in/paalamugan

### GitHub

github.com/paalamugan

## Profile

Having 8+ years of experience in Full Stack development and more enthusiasm for my work. Extensive experience in working with product development and strong skill sets in both **Front-End** and **Back-End** development. I always love to learning **new things** and **share my knowledge** with others.

## Skills

**Frontend Development** - HTML5, CSS3, SCSS, JavaScript, TypeScript, NextJs, React, Redux, Angular, Vue, Svelte, GraphQL, Tailwindcss, Gatsby, Styled-Components, Chrome Extension.

**Backend Development** - NodeJs, NestJs, Express, Socket.io, REST API, GraphQL, Jest, Mocha, Cypress, MongoDB, Mysql, Redis, Sequelize, Prisma, RabbitMq and PubSub.

**Devops Development** - Web Security, Security Engineer, Git, Jenkins, CI/CD, GitHub Actions, Hosting, Networking, Google Cloud Platform, Distributed System, Amazon EC2, Amazon S3, Docker, Kubernetes, SonarQube, Synk, AWS Appsync and AWS Lambda.

**Full Stack Development** - MERN Stack, MEAN Stack, JAM Stack, NextJS and Remix.

**Operating System** - Linux(Ubuntu), MacOS and Windows.

## Achievements

### Own Website Development:

I developed my website from scratch using NextJS Framework with **100% covering** all software standard levels.

[Click Here](#) to see the screenshot of my website performance from the **chrome developer tool(lighthouse)** survey. **Hard work and passion** for coding gave me **good learning** and **encouraged me** to do much better.

If you're interested, You can also check out my website here. <https://paalamugan.com>

### **NPM Package:**

I Published 3 npm packages to the npm registry to make the developer's work easy when they will work using a single-spa micro frontend with React framework.

- <https://www.npmjs.com/package/@single-spa-example/react-styleguide>
- <https://www.npmjs.com/package/@single-spa-example/global>
- <https://www.npmjs.com/package/@single-spa-example/config>

## **Employment**

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### **Senior Software Engineer**

**May 2023 - Present**

**Glidewell, Newport Beach, California**

- I'm working on creating dental **internal web/mobile applications** for glidewell employees, that application name we called as a **LMS(Lab Management system)**.
- In this project, I have been working with **React with Typescript, GraphQL with AWS Appsync, AWS Lambda, React Native, Tailwindcss and Nodejs**.
- I did worked on develop the **Invoicing page, case details page and case entry page**.
- I did created **LMS admin portal** application from the scratch using **vite with React 18**.
- I did completely migrate that LMS application React 16 into **React 18** version.
- Mentored junior software engineers, **providing technical guidance and conducting code reviews**, resulting in an increase in their **productivity by 45%**.

### **Senior Software Engineer - Full Stack**

**Aug 2021 - Apr 2023**

**Quantiphi Analytics Solution, Bangalore**

- Working as a **Full-Stack Engineer** with **Angular, Reactjs, Nextjs, and Nodejs** Frameworks on top of the **Typescript** Language.
- Currently I am working with a **Maersk** client, In this project, I have been working on **NextJS with TypeScript** framework, **Redux for State management** in the **Micro frontend UI**, **Nodejs with Express, TypeScript for Backend, Prisma for relational database connection**, and **Helmet NPM Package for API Security** in the **Micro service's backend**.
- Worked with **@testing-library/react, Jest, Mocha, Chai, and Cypress** framework for **TDD and BDD**.
- Had worked with clients such as **Arizona Health Care Cost Containment System (AHCCS), and General Motors-USA**

- Worked on React for **Arizona Health Care Cost Containment System (AHCCCS)** Project.
- Implemented **AHCCCS** Internal Admin UI using **React** with **TypeScript** framework.
- Worked with **Angular12, NodeJs, Express, Typescript, and PubSub** for **General Motors-USA** Project.
- Created a **Backend Server** using **Express** with **TypeScript** from scratch as per the client's requirement.
- Developed showing all conversations and session listing UI page in frontend using **Angular** with **TypeScript** framework.
- Implemented some of the **Dialogflow Messenger** chatbot functionality that doesn't support by **Dialogflow**.
- I played around with **HTML dom-manipulation** using **Javascript** as per client need.
- Implemented additional functionality like **Refresh, Language Switch, and FullScreen** buttons in the **Dialogflow Messenger** chatbot.
- Created custom **webpack** configuration for the minified bundle of all the script files.

#### Software Engineer

Dec 2018 - Jul 2021

#### NamLabs Technologies Pvt Ltd, Chennai

- Worked as a Full stack web developer at **NamLabs Sass Based Product** Company.
- Worked on 4 Products such as **Atatus, UI Inspector, ReplayBird, and LeadMine**.
- Worked extensively on **Typescript, Angular, React, Redux, Gatsby, Vue, Jest, and Mocha** Framework in **frontend** development and **NodeJS** with **Express, Python** with **Flask** in **backend** development.
- Worked with both **Relational(Mysql, Clickhouse)** and **Non-Relational(Mongodb, Redis, Meiliseach)** Databases.
- Developed the application along with the solution design independently from scratch.

#### Atatus Product:

- Developed full Layout module for atatus documentation page using **Jekyll(Static Site Generator)** tool.
- Implemented 5 main features of atatus product: **Application Performance Monitoring, Browser Monitoring, Logs Monitoring, Infrastructure Monitoring, and Synthetic Monitor**.
- Implemented Most of the functionality in the **Synthetic monitor** feature both **Frontend(Angular)** and **backend (NodeJs)**. It includes web monitors, DNS monitoring, SSL monitoring, and TCP monitoring.

#### ReplayBird Product:

- Developed a **Full Static website** for end-to-end individually

using Gatsby(ReactJs and Redux) with Typescript and GraphQL Framework.

#### **Lead Mine Product:**

- Implemented storing credit/debit card details information powered by **Stripe(Payment Tools)** and developed a subscription page using **Vue Framework** with **Typescript**.

#### **UI Inspector Product:**

- Developed Dashboard Page, Testcase Page, and Plan Page in both front end and back end using **Angular, MongoDB, and NodeJS with Typescript**.
- Done test run in **Cron Server** every 5min, 10min, and 1 hour and put some entry in **Redis** to check the status is passed or failed.
- Build custom **chrome extension** tools to help the user action in the record and save it to **MongoDB**.
- Record the user action with the help of **chrome extension** tools and run the test with a specific plan.

#### **Junior Software Engineer**

**May 2018 - Nov 2018**

##### **Add-on Technology, Chennai**

- Worked as a **MEAN stack developer** where I implemented Bakery internal Product(Anumod Bakery) using **MEAN stack technology(MongoDB, Express, Angular, NodeJs)**.
- Created the bakery application from scratch using **Angular 6** with **Typescript** on the **frontend** side, and **NODEJS** with **Typescript**, and **Express** in the **backend**.
- Implemented a Solution for Sending Messages to the customer about the order detail using **nodemailer**.
- Developed Small **E-commerce** Project using **Reactjs** with **TypeScript**, **Redux** for **State management**, and **Material-UI** framework.
- In the **E-Commerce** project, I have implemented **CRUD API** for products list in **NodeJS** with **Express**, **Typescript**, **Sequelize(MYSQL)** npm Package.

#### **Software Developer**

**Aug 2017 - Apr 2018**

##### **Muthu Soft Labs, Chennai**

- Worked as a Software developer at Muthu Soft Labs and learned **HTML, CSS, Javascript, Typescript, Angular, Nodejs, and Photoshop**.
- Worked on an internal project called **tangedco** using **Angular** and **Nodejs** Framework.
- Developed **UX Design** for **FinePaperSource** Project using **Photoshop**.

## Education

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**B.E - ECE**

**Jun 2013 - Apr 2017**

P.B College Of Engineering, Chennai

Studied an Electronics and Communication Engineering