

# ARUNACHALAM SOMASUNDARAM

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## PROFILE

Results-driven Lead Developer with over 10 years of experience in building responsive, dynamic web applications. Proficient in front-end development with React, TypeScript, and back-end technologies like PHP, Relational Databases and Microservices. Adept at developing dynamic web applications and implementing new software features. Proficient in web application development, API integration, and modern DevOps practices.

## KEY SKILLS

**Web Technologies:** HTML5, CSS3, JavaScript (ES6+), Bootstrap, Ajax, PHP

**Frameworks:** Laravel, Lumen, Yii, Node.js, Express.js, React Js, TypeScript, jQuery

**Authentication:** JWT, SSO, OAuth/OAuth2

**Databases:** MongoDB, MySQL, PostgreSQL

**Cloud Technologies:** AWS, Azure

**Version Control:** Git, GitHub, GitLab

**Tools & Technologies:** RESTful APIs, GraphQL, Docker, Kubernetes, JIRA, Jenkins

## EMPLOYMENT HISTORY

### Deputy Manager(Lead Developer)

*Cholamandalam Investment and Finance Company Limited, India*

May 2022 – Dec 2023

- Led the design and development of an Auto Loan Application, overseeing a team of 10+ developers to deliver a streamlined, end-to-end experience for users applying for Auto Loans.
- Developed individual microservices to process financial data for Loan Applications using laravel, resulting in a 30% increase in user traffic.
- Worked on front-end development using ReactJS and integrated it with backend services.
- Skilled in leveraging the full range of Laravel features to support feature upgrades and ongoing maintenance.
- Masterfully orchestrated seamless logins with Single Sign-On, JWT, OAuth, and OAuth2. Turning authentication into a symphony of security and user delight.
- Implemented cron jobs for scheduling queued tasks, processing data into the system, and triggering events.
- Took ownership of services and applications, making informed decisions to optimize performance.
- Used AWS Secret Manager to secure credentials for applications and leveraged on backend.
- Deployed applications using Amazon Web Services (AWS) and standard DevOps setup, achieving 99.9% uptime and reducing infrastructure costs by 20% through optimization.
- Mentored junior and mid-level engineers, fostering a culture of continuous learning and development.

### Senior Software Engineer

*BI Worldwide India Pvt Ltd, India*

Feb 2019 - May 2022

- Led the development of a Health Care Management System for a major healthcare provider, designed to manage patient records, scheduling, and real-time updates for medical staff.
- Worked closely with design teams, utilizing tools like Adobe XD and Sketch to ensure design fidelity.
- Enhanced website performance by optimizing CSS and HTML, reducing load times by 35%.
- Created reusable and efficient React components, reducing development time and promoting consistency across the application.
- Implemented TypeScript in React applications to improve code quality, ensure type safety, and streamline debugging.
- Employed Sentry for log management and debugging, improving application stability and performance.

- Integrated third-party APIs into the system and created RESTful endpoints for front-end consumption.
- Experience with automated testing frameworks Jest and PHPUnit to ensure code reliability, resulting in a 30% reduction in bugs and improved overall code quality.

## Software Developer

*SMCP Pvt Ltd, India*

May 2017 - Feb 2019

- Worked in the development of Automotive Marketplace Platform, connecting buyers and sellers of vehicles with live listings, real-time search filters, and messaging.
- Worked closely with designers to ensure seamless integration of visual elements and functional components.
- Enhanced marketplace performance by optimizing API Gateway and caching strategies to handle high-traffic periods, improving response times by 30%.
- Integrated payment gateways and third-party automotive services (e.g., vehicle history reports, insurance) using REST APIs, enabling users to seamlessly purchase vehicles and related services.
- Proficient in WordPress development, including theme and plugin customization, content management, and website deployment.
- Conducted performance audits using Chrome DevTools and WebPageTest to identify and resolve rendering bottlenecks, boosting page speed scores by 25%.

## Software Engineer

*Maveric Systems Pvt Ltd, India*

Oct 2015 - May 2017

- Played a key role in the development of an ERP product, specializing in the Lumen Framework for developing Restful APIs, utilizing Swagger and Postman tools.
- Developed and maintained custom web applications, ensuring high performance and reliability.
- Integrated third-party APIs and services to extend functionality and improve user experience.
- Created wireframes, prototypes, and high-fidelity mockups using Adobe XD to visualize and communicate design concepts.
- Utilized HTML, CSS, and JavaScript to build responsive and interactive web pages.
- Implemented automated testing using PHPUnit, reducing the number of bugs by 30%.

## Programmer

*Chettinad Group of Companies, India*

Sep 2013 - Sep 2015

- Contributed to Finance and LMS projects developed with Laravel Framework, demonstrating expertise in unit tests, bug fixing, and implementing plugins.
- Assisted in the development of front-end components for client websites, adhering to best practices in coding and design.
- Gained experience with HTML, CSS, and JavaScript, laying a strong foundation for future projects.
- Collaborated with senior developers to learn and apply new techniques and technologies.
- Supported the maintenance and updation of existing websites to ensure optimal performance
- Managed version control and collaboration using GIT, resulting in a 30% increase in code quality and team productivity.

## EDUCATION

### Bachelor of Engineering In Computer Science

*Anna University, Chennai, India*

Aug 2008 - May 2012