

HEMA PRIYA

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PROFESSIONAL SUMMARY

Senior Software Engineer with 10+ years of experience in designing and developing scalable web, mobile, and Smart TV applications. Expertise in React.js, React Native, TypeScript, JavaScript, Node.js, Next.js and AWS, with a strong focus on frontend architecture, performance optimization, reusable component design, and delivering high-quality user experiences across enterprise-scale applications.

TECHNICAL SKILLS

- Frontend: React.js, Redux, React Native (Mobile & Smart TV), TypeScript, Next.js, JavaScript, HTML5, CSS3, Tailwind CSS
- Backend: Node.js, Express.js
- Cloud & DevOps: AWS, Docker
- Databases: MongoDB, PostgreSQL, MySQL, Microsoft SQL Server
- API Integration & Tools: RESTful APIs, GraphQL, Figma, Git, GitHub
- Testing: Jest, React Testing Library
- Soft Skills: Team Leadership, Cross-functional Collaboration, Effective Communication, Time Management

WORK EXPERIENCE

GlobalLogic | Chennai, India

Senior Software Engineer (Amazon Fire Tv) | December 2025 – Present

- Designed and built new screens for the **audio enhancement** experience, including Settings and Quick View screens, from Figma hand-off to production.
- Collaborated closely with the backend hardware team to align UI behaviour with device-level audio capabilities and constraints.
- Resolved high-priority bugs in settings screen of **Amazon Fire TV**, improving stability and user-reported issue turnaround.
- Worked across the **React / TypeScript** front end, contributing to component architecture and code reviews in an agile, cross-functional team.

Tata Consultancy Services | Chennai, India

IT Analyst / Senior Front End Developer (Retail Account) | December 2022 – December 2025

- Led a team of **7 frontend developers**, improving overall delivery efficiency and application development performance by **12%**.
- Designed and developed scalable **Next.js** and **React.js** applications using **TypeScript**, delivering responsive and high-performance user experiences.
- Built reusable UI component libraries and implemented modern frontend architecture patterns, improving maintainability and accelerating feature delivery.
- Optimized application performance through **Server-Side Rendering (SSR)**, **Static Site Generation (SSG)**, code splitting, lazy loading, and caching strategies.
- Migrated a large enterprise frontend codebase from JavaScript to TypeScript, integrated **GraphQL** APIs for efficient data fetching, and established testing standards using **Jest** and **React Testing Library**, improving code quality, reliability, and application responsiveness.

Tata Consultancy Services | Chennai, India

Full Stack Developer (Retail Account) | October 2019 – December 2022

- Designed robust backend architectures using **Node.js** and **Express.js**.
- Containerized backend microservices using Docker and deployed scalable web applications on AWS (EC2/S3) environments.
- Managed complex data persistence and indexing strategies leveraging **PostgreSQL** and **MySQL** database systems.
- Completely re-designed the project visual ecosystem from Figma wireframes into React Native, achieving a **100%** user experience score.
- Refactored legacy code utilizing modern React Hooks and fine-tuned underlying SQL queries to maximize code reusability and execution efficiency.

Tata Consultancy Services | Chennai, India

Service Engineer (Banking Account) | March 2016 – October 2019

- Worked in SQL to manage business critical requests, data fixes, and complex reports over huge datasets.
- Architected end-to-end automation pipelines for batch monitoring, trade processing, and common application failures, saving **~£50K** in operational costs and **10 Person-Days (PD)** of effort.
- Developed highly efficient stored procedures to automate repetitive database tasks, cutting down manual workloads by **25%**.
- Spearheaded triaging and resolving high-severity, complex banking application infrastructure issues under strict SLA deadlines.

Focus Academy (FACE) | Chennai, India

Trainer | July 2015 – October 2015

- Trained college graduates in quantitative aptitude, logical reasoning, and English vocabulary to maximize placement success rates.
- Designed and calibrated specialized evaluation metrics, instructor guide scripts, and mock assessments.

EDUCATION

- Master of Science (M.Sc.) – Machine Learning & Artificial Intelligence
Liverpool John Moores University, UK (2026 – Ongoing)
Additional Credential: Executive Post Graduate Programme in AI / ML, IIT Bangalore
- Bachelor of Engineering (ECE) | SRM TRP Engineering College, Tiruchirappalli (2011 - 2015)
- Higher Secondary Education | St. Joseph's Matriculation School, Madurai (2009 - 2011)

CERTIFICATIONS

- Software architecture and Design of Modern Large Scale Systems - Udemy
- Digital: Front End Developer React JS
- JavaScript (Basic) Skill Certification – HackerRank