

Ganesh Pandian Ramakrishnan

Senior Frontend Engineer

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Location: Chennai, India

PROFESSIONAL SUMMARY

A self-driven Senior Front-End Engineer with **9+ years of experience** building highly scalable, high-impact web solutions for diverse industries including Fintech and SaaS. While maintaining deep expertise in modern frontend architectures (React, Next.js), I have recently expanded my technical scope to **Full Stack development with a focus on AI/LLM integration**. Currently architecting AI-powered quality testing platforms and utilizing Python/FastAPI to bridge the gap between complex LLM agents and intuitive user interfaces. Passionate about solving complex business challenges by combining user-centric design with cutting-edge AI technologies.

TECHNICAL SKILLS

Frontend Core: React.js, Next.js, TypeScript, JavaScript (ES6+), Redux, HTML5, CSS3/SASS, Jest, Tailwind CSS, Styled Components

AI & Backend: Python, FastAPI, LLM Integration, LangChain, RESTful Web Services, GraphQL, Java, Node.js.

Tools and concepts: Micro-frontends, Webpack, Babel, Git, CI/CD, **Performance Optimization**, System Design, Figma, GenAI

PROFESSIONAL EXPERIENCE

Senior Specialist Interactive | Full Stack and AI Focus

LTIMindtree, Chennai | Nov 2024 – Present

- **AI-Powered Quality Platform:** Spearheading the architecture and development of a scalable Quality Testing platform designed to evaluate custom LLM agents, significantly improving model reliability and output accuracy.
- **IDE Assistant Backend:** Designing and implementing the chat assistant backend within the IntelliJ IDE using **Python and FastAPI**, ensuring secure and efficient interfacing with **CanvasAI** for real-time code analysis and developer support.
- **Micro-Frontend Architecture:** Contributing to high-level system design by adopting robust micro-frontend strategies, ensuring the enterprise solution remains scalable and performant while handling AI-centric workloads.

Senior Tech Specialist – Frontend | Financial Service

Fiserv Inc., Chennai | Sep 2022 – Oct 2024

- **Banking Application Development:** Led the development of "CardHub," a critical banking application used by numerous Financial Institutions across the US and Canada. Delivered features including Real-Time Controls, Balance Transfers, and Digital-first integrations.
- **AI Innovation (POC):** Led a 4-member team on a Proof of Concept (POC) integrating ChatBots and Large Language Models (LLM) into banking applications to enhance customer support automation.
- **Compliance & Security:** Ensured all web applications met strict Banking Security Standards, Web DLP (Data Loss Prevention) protocols, and ADA (Americans with Disabilities Act) accessibility standards.
- **Process Automation:** Developed automated scripts to monitor office presence via network protocols, streamlining administrative tracking.
- **Recognition:** Awarded "Exceeds Expectation Employee of the Year" for two consecutive years among a pool of 100+ associates.

Front-End Engineer

Orangescape Tech Pvt. Ltd., Chennai | *Nov 2020 – Aug 2022*

- **Product Development:** Built the end-to-end Workflow Management product utilized by 90% of the organization's customer base.
- **Performance Optimization:** Improved web application rendering speed by **30%** through code restructuring and optimization of the common library/plugin architecture.
- **Growth Engineering:** Implemented SEO optimizations that directly increased engagement rates and integrated Heap Analytics for user behavior tracking.
- **Modern Web Capabilities:** Enhanced the product by adding Progressive Web Application (PWA) capabilities and Right-to-Left (RTL) language support.

Front-End Developer

Vaken Technologies Pvt. Ltd, Chennai | *Oct 2020*

- Collaborated with DevOps and integration teams to automate product delivery flows (Subsidiary of IVTL Infoview).

Full Stack Developer

IVTL Infoview Technologies Pvt. Ltd, Chennai | *Jun 2016 – Sep 2020*

- **Reception Management System:** Developed a "Digital Key" based personal authentication and reservation system in collaboration with Bitkey, Inc. Japan.
- **Tool Development:** Reduced developer manual work time by **70%** by creating internal tools, including a language translator API and Selenium-based automated Jira updaters.
- **UX Collaboration:** Worked closely with UX teams to translate end-user ideologies into functional product designs using Java, Google Closure, and JavaScript.

PUBLICATIONS & THOUGHT LEADERSHIP

- **Federated Learning: Privacy-First AI for Business Innovation** (LTI Mindtree)
 - Explored decentralized machine learning approaches to enhance data privacy in enterprise applications.
- **AI Evaluation and Explainability using Agentic Workflow** (LTI Mindtree)
 - Detailed methodologies for evaluating the reasoning and reliability of autonomous AI agents.

EDUCATION

Bachelors in Computer Science and Engineering | MIT Anna University, Chennai | *2012 – 2016* | First Class