



Rajesh Babu Polamarasetti

As a Staff Software Engineer, I bring nearly one and a half decades of expertise in frontend development (Web & Mobile) to lead and drive the UI architecture, design, and implementation for our organization's software products. With a deep understanding of modern web technologies, best practices, and industry standards, I excel in crafting intuitive, responsive, and visually appealing user interfaces that enhance the overall user experience.

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Responsibilities

- ✓ Lead the design and evolution of our organization's UI architecture, ensuring scalability, flexibility, and maintainability across all software products.
- ✓ Define and communicate a clear technical vision and strategy for frontend development, incorporating emerging technologies and industry trends to drive innovation and continuous improvement. Provide guidance and mentorship to junior engineers to foster skill development and growth within the team.
- ✓ Hands-on development of complex UI features and components, leveraging advanced JavaScript frameworks (such as React, Angular, React Native), HTML5, CSS3. Ensure adherence to coding standards, best practices, and design principles to deliver high-quality, performant, and accessible user interfaces.
- ✓ Collaborate closely with product managers, designers, and backend engineers to translate product requirements and user stories into functional and visually appealing UI designs. Participate in cross-functional discussions and brainstorming sessions to solve technical challenges and optimize user workflows.

- ✓ Designed and developed responsive user interfaces for web applications, ensuring seamless experiences across desktop, tablet, and mobile devices.
- ✓ **Code Reviews and Quality Assurance:** Conduct thorough code reviews to ensure code quality, maintainability, and adherence to established standards and best practices. Champion a culture of code quality and excellence by providing constructive feedback, identifying areas for improvement, and promoting knowledge sharing within the team.
- ✓ **Performance Optimization:** Identify performance bottlenecks and optimize frontend code and assets to improve page load times, rendering performance, and overall user experience. Utilize profiling tools and performance monitoring techniques to diagnose and address performance issues proactively.

Tech Stack

- Front-end: React, React Native, Angular, HTML, CSS, JavaScript.
- Back-end: Node.js
- Database: SQL, MongoDB
- Version Control: Git
- Project Management: JIRA
- Static Code Analysis: SonarQube
- Unit Testing: Jest, React Testing Library, Jasmine and Cypress(e2e)

Work History

🚧 Staff Engineer | Qualcomm India Private Limited

09/2022 – 11/2023

Tech Stack: React, Election.js and Python

Worked on making [Qualcomm's AI Studio](#) Desktop-Based (Windows & Linux) AI Model execution, verify, profile, and analyze applications.

- Optimized file upload feature which can support resumable & chunk uploads as AI modules are huge.
- Integrated CLI into Desktop application (AI Studio), which can help access Qualcomm tools using commands in the studio.
- Minimized loading time by nearly half to load the AI graphs into the studio using Neutron.
- Designed prototype & pitched original idea for new Qualcomm AI Studio (QAIS)
- Lead and mentor a team of engineers, providing support for their professional growth and development
- Participate in the recruitment and hiring process for engineering talent.

🚧 Principal engineering Manager | Quantela, Inc.

07/2011 - 08/2022

Tech Stack: React, Angular, React Native, Node, MongoDB, Android.

Handled Technical and management responsibilities for [Quantela's Atlantis Platform](#).

- Worked with senior leadership to align technical initiatives with overall company objectives.
- Provided technical guidance and leadership to engineering teams.
- Collaborate with technical leads to make informed decisions on technology stack, architecture, and design
- Planning, execution, and delivery of engineering projects (Web & Mobile Applications) to implementation teams.
- Designed and developed Quantela's urban infrastructure platform Atlantis Citizen.
- Lead and mentor a team of engineers, providing support for their professional growth and development
- Handle performance evaluations, goal-setting, and career development for team members.
- Collaborate with product managers, UX/UI designers, and other stakeholders
- Established and enforced engineering standards, best practices, and quality assurance processes.
- Participate in the recruitment and hiring process for engineering talent
- Handled publishing of Android & iOS applications into the Play Store and Apple App Store.

🚧 Software Engineer | Notion Ink Design Labs

07/2009 - 06/2011

Tech Stack: Android & Python (Django)

Worked for Notion Ink's Adam tablet.

- Collaborate with product managers and stakeholders to understand the requirements and objectives of the mobile applications
- Write efficient, maintainable, and reusable code for mobile applications.

Qualifications

- Master's degree in Computer Science.
- With over 14+ years of industry experience, including 10 years of experience in front-end development, with a strong focus on JavaScript, HTML, CSS, and modern frontend frameworks. And 4+ years of experience in technical management.
- Proven track record of designing and implementing scalable and maintainable UI architectures for complex software applications.
- Expertise in frontend build tools, package managers, and CI/CD pipelines (e.g., Webpack, npm, Jenkins).
- Experience with responsive and mobile-first design principles, cross-browser compatibility, and accessibility standards.
- Strong problem-solving skills and ability to analyze and debug complex technical issues in frontend code.
- Excellent communication and collaboration skills, with the ability to effectively interact with stakeholders at all levels of the organization.
- Demonstrated leadership experience, including mentoring junior engineers, driving technical initiatives, and influencing technical decisions.