Saikiran Somanagoudar

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EDUCATION

Illinois Institute of Technology	**Chicago, IL**
Master of Science in Computer Science	*August 2023 - August 2025*
Reva University	**Bengaluru, India**
Bachelor of Technology in Computer Science	*June 2015 - August 2019*

PROFESSIONAL EXPERIENCE

Software Engineer **October 2025 - Present**
CrowdDoing, Chicago, IL

- Built high-quality, scalable React components following best practices including code reviews, unit testing with Jest, and design patterns, creating component libraries that improved development efficiency by 30%
- Collaborated with product owners to translate requirements into technical specifications, owning full development lifecycle from design through test automation and delivery of production-ready features
- Enhanced application performance by 25% through object-oriented design, code splitting, lazy loading, and optimized rendering while leveraging automated testing and Docker-based CI/CD workflows
- Developed responsive data visualization dashboards with efficient state management and RESTful API integration, implementing optimizations that reduced rendering time by 40%

Senior Software Engineer **September 2019 - June 2023**
Wipro Technologies, Bengaluru, India

- Architected and deployed scalable single-page applications using React and JavaScript, applying object-oriented design patterns and algorithms to reduce page load times by 15% across enterprise platforms
- Designed extensible software solutions enabling customers to customize functionality for specific needs, implementing componentization strategies and reusable modules that enhanced platform flexibility
- Spearheaded migration of 30+ client-facing applications to AWS hybrid cloud, optimizing frontend architecture and responsive design patterns that reduced downtime by 25% and improved cross-platform compatibility
- Integrated AI-powered AWS CodeGuru to automate code review and CI/CD workflows, reducing manual intervention by 50% while improving code quality and deployment reliability
- Led UI/UX enhancements with server-side rendering, utilizing performance profiling tools and debugging to increase user session duration by 20% while following agile methodologies

PROJECTS

GIF Enigma | React, TypeScript, Devvit, Gemini 2.5 flash lite, Redis **September 2025 - October 2025**
GitHub | r/PlayGIFEnigma

- Engineered Reddit-native game achieving 143K+ views and 1.2K daily users, demonstrating proficiency in building scalable applications with clean, well-documented TypeScript code following modern software engineering practices
- Designed dual-mode gameplay architecture with real-time leaderboards using Redis, applying data structure optimization and efficient algorithms for state management in interactive, data-intensive applications
- Integrated Gemini AI for intelligent word generation and hints, leveraging AI-driven insights to enhance user experience and automate workflows, showcasing ability to incorporate AI into problem-solving processes

TECHNICAL SKILLS

Languages & Frontend: JavaScript, TypeScript, Java, Python, React.js, Next.js, Redux, HTML, CSS, Tailwind CSS

Backend & Databases: Node.js, Django, Flask, FastAPI, RESTful APIs, GraphQL, PostgreSQL, MySQL, MongoDB, Redis, Firebase

Cloud & DevOps: AWS (EC2, S3, Lambda, CloudFront, CodeGuru), Docker, Jenkins, Kubernetes, Git, Vercel, Heroku

Tools & Methods: IDE (VS Code), Debugger, Build Tools, Source Control (Git), Unix/Linux, Jest, Object-Oriented Design, Design Patterns, Data Structures & Algorithms