Venkat Sai Kedari Nath Gandham

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EDUCATION

San Jose State University | GPA: 4/4 — San Jose, CA
Master of Science in Computer Software Engineering — Aug 2024 - May 2026

Kakatiya Institute of Technology and Science | GPA: 3.9/4 — Warangal, IN
Bachelor of Science in Computer and Electronics — Jun 2018 - Jun 2022
Coursework: Enterprise Distributed Systems, Software Systems Engineering, Data Structures and Algorithms, Machine Learning, Deep Learning, Operating Systems, Computer Networking, Database Management, Web UI/UX

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, Java, HTML, CSS
Frameworks: Next.js, Node.js, React Native, Bootstrap, Angular, Django, Spring Boot, Tailwind CSS
Libraries: React, Redux, Socket.IO, Webpack, SASS, Apache Kafka, RabbitMQ, Numpy, Pandas
Databases & Tools: SQL, MongoDB, Redis, Cassandra, GraphQL, Postman, Visual Studio Code
Others: Git, GitLab, Docker, CI/CD, Jenkins, Jira, Ajax, Kubernetes, PCF, AWS Cloud, Jest, Agile

EXPERIENCE

Software Development Engineer I, Wipro — Jun 2022 – Aug 2024
- Designed and modernized ERP system's front-end with React and Tailwind CSS, incorporating features including drag-and-drop customization, cutting load times by 40% and elevating user experience for enterprise clients.
- Architected a high-performance microservices ecosystem leveraging Node.js, Express, and GraphQL, optimizing data querying to achieve a 30% boost in API response times and a 50% reduction in data over fetching.
- Implemented advanced state management using Redux Toolkit and React Query, integrating memoization and optimistic updates to minimize redundant API calls by 40% and achieve seamless real-time data synchronization.
- Orchestrated an efficient CI/CD workflow with Jenkins and Docker, implementing automated testing and deployment processes to accelerate feature delivery by 35% and refining system stability.

Software Developer Intern, Wipro — Feb 2022 – June 2022
- Engineered a RESTful Node.js backend API for an Employee Self-Service Portal serving 10,000+ users, employing JWT authentication to enhance security, increase process accuracy by 40%, and automate manual workflows.
- Created a high-performance distributed microservices architecture, incorporating Kafka for event-driven messaging across services, resulting in a 30% decrease in deployment cycles.
- Accelerated data retrieval speeds by applying API rate-limiting and caching strategies with Redis, balancing server load and cutting response latency, leading to a 50% improvement in data retrieval efficiency.
- Collaborated in Test-Driven Development (TDD) practices by crafting comprehensive unit and integration tests, driving a 25% reduction in post-release defects and ensuring superior code maintainability.

PROJECTS

Circle Chat App ([Link](#) | [GitHub](#)) — Aug 2024 – Nov 2024
- Developed a real-time group chat app utilizing Next.js, Docker, Redis, and WebSockets, attaining 99.9% uptime. Executed secure groups with shareable links, optimized for scalability via Kubernetes and load balancing.
- Built a scalable microservices architecture on AWS EKS with Kafka, Prisma ORM, PostgreSQL, and Elastic Load Balancer, Strengthening fault tolerance and reducing message latency by 40% for real-time applications.

Public Leader App, Project Owner ([Live](#) | [Link](#) | [GitHub](#)) — Oct 2019 – Feb 2022
- Conceptualized, developed, and launched a cross-platform mobile app with React Native for a public leader, available on Google play store, leading entire product life cycle from initial concept to 100% deployment efficiency.
- Fulfilled and delivered an app managing data for 200,000+ beneficiaries across 64 programs, streamlining reporting and increasing operational output by 50% for leader and team.

ACHIEVEMENTS

Hackathons: Clinched first place in Wipro Digital 2023 and Secured 2nd position at Wipro CodeStorm Hackathon.
Awards: Earned Tech Excellence Award and recognized as Star Performer of the Month.
Certifications: Obtained AWS Solutions Architect – Associate, Completed MERN Full Stack Development program.