

Tejas Sathe

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TECHNICAL SKILLS

Languages: C/C++, HTML5/CSS, JavaScript, TypeScript, Java, Python, Go (Golang), C#
Frameworks/Libraries: React, Angular, Next.js, Node.js, Express.js, ASP.Net, Tailwind CSS, SASS/SCSS, Jest
Development Tools: Git, Docker, Kubernetes, Kafka, CI/CD (GitLab), Nginx, Webpack, Figma, Jira
Databases: MySQL, PL/SQL, PostgreSQL, MongoDB, Redis, Elasticsearch, DynamoDB
Cloud Platforms: AWS (EC2, Lambda, S3, ECS, EKS, CloudFormation), Azure (Azure App Services, Azure Functions, Azure DevOps), GCP (GCE, Cloud Run, Pub/Sub, BigQuery)
Performance and Monitoring: Grafana, PM2 (Process Manager), Application Performance Monitoring (APM)
API Development: RESTful APIs, Websocket, gRPC, GraphQL
Machine Learning: Scikit-learn, TensorFlow, Deep Learning (CNNs, RNNs, Transformers)

EXPERIENCE

Software Developer Intern

Aug 2024 – Ongoing

FirstFive8, Inc. - Jambonz

Boston, MA

- Redesigned core microservices (Node.js, TypeScript) and optimized React.js (Redux) state management to enhance the Jambonz voice gateway, improving throughput by 40% across 8+ conversational AI SaaS platforms.
- Implemented a sub-second real-time transcription and translation pipeline using SIP, WebRTC, and WebSocket, enabling seamless multilingual communication.
- Streamlined frontend architecture with modular patterns, cutting development time by 30% and boosting microservice performance by 25% through efficient API and database optimizations.
- Engineered a dynamic live transcription UI with React.js animations, boosting user engagement by 40% through an intuitive real-time experience.
- Enhanced API scalability and operational efficiency by integrating IETF-compliant vCon formats, while developing CI/CD pipelines with Docker and PM2 to reduce production incidents by 30% through robust error handling.

Full Stack Engineer

Mar 2022 – Jul 2023

Centiro Solutions

Pune, India

- Designed and implemented high-performance web applications (Angular, TypeScript), reducing load times by 70% and enhancing user experience for logistics clients through advanced optimization techniques.
- Optimized API (ASP.Net) throughput by 25% by refactoring database queries and implementing caching strategies, streamlining logistics operations and improving system responsiveness.
- Led a successful migration to modern frameworks (Angular, React, Next.js), achieving a 40% improvement in SEO and significantly boosting scalability for high-traffic logistics applications.
- Built automated CI/CD pipelines and testing frameworks, reducing defects by 35%, accelerating release cycles, and delivering features 15% ahead of schedule with zero post-deployment issues.

Software Developer

Dec 2020 – Mar 2022

Cognizant

Pune, India

- Automated Hadoop monitoring using Python, reducing manual intervention by 60%, improving system reliability, and enabling proactive issue detection in large-scale data environments.
- Designed and implemented scalable Kafka pipelines for real-time event processing, ensuring seamless data flow, improving system scalability, and optimizing throughput for mission-critical applications.
- Streamlined Agile development processes, enhancing code quality by 20% through comprehensive code reviews, adopting best practices, and optimizing team collaboration for faster, more efficient delivery.

PROJECTS

TechLitHub.Com | *React, Node.js, MongoDB, AWS S3, EC2, Nginx, Redis* | [GitHub Link](#)

Aug 2024 – Present

- Built a highly scalable blog platform using Node.js, MongoDB, and AWS, integrated advanced caching and a TensorFlow recommendation system, leading to a 30% increase in user engagement.

CodeCardz.Com | *React, Tailwind CSS, Framer Motion* | [GitHub Link](#)

Jan 2025

- Designed a React-based interactive flashcard app for DSA interview prep, integrating Spaced Repetition Algorithm (SRS) and shuffle features to improve learning retention.

EDUCATION

University of South Florida <i>Master of Science in Computer System Analysis</i>	Tampa, FL <i>Aug. 2023 – May 2025</i>
Savitribai Phule Pune University <i>Bachelor of Engineering in Computer Science</i>	Pune, India <i>Aug. 2016 – May 2020</i>

ACHIEVEMENTS & AWARDS

Winner: TADHack Open Hackathon - Programmable Telecoms 2024 <i>Orlando, FL, USA</i>	Issued by TADHack <i>2024</i>
Winner: DevCon 2024: Build With AI Hackathon <i>Tampa, FL, USA</i>	Issued by USF Google Developer Club <i>2024</i>