SANKET MUNGIKAR

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TECHNICAL SKILLS

- **Programming Languages**: Python, TypeScript, JavaScript (ES6+), HTML5, CSS3, Java, C#
- **Frameworks**: Node.js, ReactJS, Next.js, Tailwind, Redux, React Native, Angular, .NET, RxJS, FastAPI
- **DevOps & Cloud**: AWS (EC2, S3, RDS, Amplify), Azure DevOps, Docker, Kubernetes
- **Databases and Other Tools**: PostgreSQL, MongoDB, MySQL, Redis, Jest, REST API's, GraphQL, Kafka, Stripe API,

WORK EXPERIENCE

Rocket Mortgage, Detroit, MI | *Software Engineer Intern*   *May 2025–Aug 2025*

Navigator Pro (AI-Powered Broker Chatbot)

- Developed a Retrieval-Augmented Generation-powered chat feature using LLMs, leveraging AWS Bedrock to deliver accurate, context-aware responses, enabling mortgage brokers to transition from paper-based workflows to an AI-driven interface thereby improving speed
- Implemented authentication and authorization using OAuth 2.0 with Auth0, enabling MFA, SSO, and role-based ACL's; contributed to defining access rules to distinguish broker and general user permissions for tailored AI behavior.
- Utilized NgRx for state management to efficiently handle chat history, user sessions, and UI state, while optimizing the frontend for performance, scalability, and responsiveness.
- Contributed to CI/CD pipelines using GitHub Actions and collaborated with backend engineers on Docker and cloud-based deployments.

Broker Pro application

- Developed a .NET-based RESTful fee calculation API with logic to compute loan pricing from external providers and loan categories.
- Analyzed request payloads from an existing API to determine the minimal required parameters for a planned new endpoint, enabling accurate results with reduced payload size, simpler Angular front-end integration.
- Collaborated with senior engineers to understand Kafka based architecture used in the platform, where external pricing data updates were published to Kafka topics and consumed by the fee calculation service.

PopVia LLC, Colorado, USA | *Full-Stack Engineer*   *Aug 2024 – April 2025*

- Designed and developed an event ticketing platform using Next.js and TypeScript, enabling users to browse recent concerts, view event details, and purchase tickets through an integrated Stripe payment system.
- Implemented real-time ticket availability tracking with WebSockets, including queue management for sold-out events and automatic ticket reallocation when cancellations occurred.
- Improved performance and reliability with rate limiting for security, Redis caching to reduce database load, and optimized data flows for high-demand ticket releases thereby improving response time by 11%.
- Built a seller-only dashboard with full CRUD capabilities for event and ticket management, detailed transaction history, balance breakdown and a monthly earnings bar chart; Developed refund processing for canceled orders integrated with Stripe's payment.

Atos, Mumbai, India | *Software Engineer*   *Jan 2020 – June 2022*

- Contributed to developing React/React Native scheduling screen for MyBSWHealth (179K+ ratings), enabling provider search, appointment booking, and COVID-prioritized scheduling
- Built an interactive map-based doctor and facility locator using React Maps, optimizing map rendering and data handling to reduce search latency by 43% even with large healthcare provider datasets.
- Leveraged Redux for application state management and implemented Jest test cases to validate state transitions, action dispatches, and data flow, ensuring consistent behavior across scheduling and map features.
- Collaborated within Agile Scrum teams, participating in sprint retrospectives, demos, and code reviews.

PROJECTS

Inventory Management Dashboard   *Nov 2024 –Feb 2025*

- Built a full-stack inventory management dashboard using Next.js, Shadcn and Zustand for state management, with backend services in Node.js, Prisma ORM, and PostgreSQL, integrated React Query for efficient data handling and deployed backend on AWS RDS and hosted the frontend with AWS Amplify.

Hackathon – RocketMindAI   *June-2025*

- Built RocketMindAI, an AI-powered tool where users input a repository link to interactively view onboarding documentation, architecture diagrams, and automated code quality reviews—organized into intuitive tabs for quick navigation.
- Developed an MCP server integrated with AWS Bedrock LLM to analyze large codebases using intelligent chunking, enabling accurate, context-aware insights. Frontend in Angular, backend in Python(FASTApi), delivering real-time analysis and visualizations.

EDUCATION

Master of Science in Computer Science, California State University, Fullerton, CA, GPA: 3.6/4   *Aug 2022 – May 2024*

Bachelor of Engineering in Computer Science, Marathwada Institute of Technology, Aurangabad, India, GPA: 3.5/4   *June 2015 – Aug 2019*