

SAITEJANAGAPURI

Full-Stack Engineer · React / TypeScript / Next.js · Python · LLM-Powered Products

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Full-stack engineer with 2+ years shipping production software — React/TypeScript frontends, Python/FastAPI backends, and cloud infrastructure on AWS. Currently owning end-to-end product engineering at a fintech startup while contributing to LLM-powered data pipelines. Fluent in Next.js, TypeScript, and PostgreSQL; have shipped RAG pipelines, LLM inference microservices, and real-time dashboards from prototype to production.

TECHNICAL SKILLS

Languages: TypeScript · JavaScript (ES6+) · Python · SQL · HTML5 / CSS3

Frontend: Next.js · React · Tailwind CSS · WebSockets (real-time UI) · Recharts · D3.js · Chart.js

Backend & APIs: FastAPI · Node.js · REST APIs · Microservices · ETL Pipelines · PostgreSQL · Redis

AI / LLMs: LangChain · OpenAI API · RAG Pipelines · Prompt Engineering · Hugging Face · FAISS Vector Search

Cloud & DevOps: AWS (Lambda · S3 · SageMaker · ECS · DynamoDB) · Docker · GitHub Actions CI/CD · Terraform

PROFESSIONAL EXPERIENCE

Full-Stack Engineer (Founding Software Engineer) · Bckers, Inc. · Newark, NJ · Remote *Jun 2025 – Present*

- ▶ Own front-end architecture end-to-end — React/TypeScript dashboards, high-density data tables (1,000+ LP/VC records), and live WebSocket feeds, from V0/Figma wireframes through production deployment.
- ▶ Cut perceived load time by ~40% on chart-heavy data views by implementing lazy loading, table virtualization, and React memorization, eliminating browser freezes on large datasets.
- ▶ Built Python/FastAPI backend services and REST APIs handling high-volume financial data ingestion with end-to-end ETL pipelines feeding downstream AI/ML models, sustaining sub-300ms response times under concurrent load.
- ▶ Delivered 100% zero-downtime releases by owning CI/CD on AWS — GitHub Actions workflows, automated deployment, and rollback procedures across every sprint.
- ▶ Reduced regression bugs by ~35% by establishing a testing culture (React Testing Library + Cypress) covering all critical user flows before each release.

AI Engineer Intern - Full Stack & API Integration · KJR Software Services Inc. Remote *Aug 2024 – Jun 2025*

- ▶ Shipped 3 AI-powered features end-to-end — React frontends, Python REST APIs, and LLM inference microservices processing 10K+ daily requests at sub-500ms p99 latency.
- ▶ Improved document-classification F1-score by 18% through iterative evaluation and hyperparameter tuning, with precision/recall tradeoffs documented and signed off by product.
- ▶ Enforced TypeScript and API contract standards as both author and reviewer across the team's shared codebase operating within structured SDLC and agile processes throughout the full delivery cycle.

Technology Developer Intern · Real AI Dynamics (RAID) · Remote

Mar 2024 – May 2024

- ▶ Improved LLM chatbot accuracy by 20% (measured on a 500-query labeled test set) and cut pipeline latency by 30% via batching and caching — full-stack React UI + Python NLP backend. Eliminated 8+ hours/week of manual effort by shipping automation scripts and data processing workflows, freeing the team for higher-leverage engineering work.

KEY PROJECTS

AI Document Intelligence Pipeline *Next.js · FastAPI · LangChain · FAISS · OpenAI · PostgreSQL*

- ▶ Built a RAG system that ingests sample documents, performs FAISS vector search, and generates high-quality, context-aware LLM outputs — a direct proof-of-concept for Junior's first-of-its-kind document-to-output feature.
- ▶ Applied Chain-of-Thought and Few-Shot prompting to guide structured LLM outputs — boosted response accuracy by 27% with a repeatable evaluation harness tracking precision across document categories.
- ▶ Designed a transcript aggregation layer that indexes and deduplicates insights across multiple ingestion runs — directly applicable to Junior's unified transcript library spanning projects and teams.

Real-Time Financial Dashboard *Next.js · React · TypeScript · WebSockets · D3 · FastAPI · PostgreSQL*

- ▶ Shipped production full-stack dashboard visualizing 1,000+ LP/VC records with live WebSocket feeds, multi-year financial charts, and sortable/filterable tables — same architecture as Junior's observability and analytics tooling. Solved rendering at scale with virtualized tables and memoization, delivering smooth UX on datasets that previously crashed the browser — and built full observability into data flow from API to chart.
- ▶ Owned design-to-deployment: V0/Figma → Tailwind CSS → React Testing Library/Cypress test suite → GitHub Actions CI/CD pipeline.

E D U C A T I O N

M.S. Computer Science · New Jersey Institute of Technology, Newark, NJ

Dec 2024

B.S. Computer Science · Bharath Institute of Higher Education and Research, India

May 2023

C E R T I F I C A T I O N S

IBM AI Developer Professional Certificate · Gen-AI Applications (IBM) · Microsoft Azure AI Essentials · Botbuilders AI Specialist