

PRANAV GAUTAM

Software Engineer | Production-Scale APIs, Real-Time Systems, AWS & Docker

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TECHNICAL SKILLS

Languages & Databases: Python, JavaScript, TypeScript, Java, MySQL, PostgreSQL, Redis, SQLite

Backend: FastAPI, Flask, Express.js, Node.js, REST APIs, WebSockets, Microservices

Frontend: React.js, React Native (Expo)

DevOps & Testing: AWS (EC2, S3), Docker, CI/CD (GitHub Actions), Pytest, Playwright, Unit & Integration Testing

EXPERIENCE

Secreterrier LLC

Software Engineer

Remote, USA

Apr 2025 – Present

- Engineered and deployed containerized backend services (**Python, Node.js**) using **Docker** on **AWS EC2** with **Redis** caching and **MySQL** persistence to support real-time scoring for live events.
- Led development of the company's first mobile application created using **React Native (Expo)**, delivering 17+ production features in 8 weeks and expanding the platform from web-only to real-time mobile event workflows.
- Designed an automated test suite (**200+ unit and integration tests**) enabling reliable weekly production deployments with reduced regression risk.
- Built a rules engine that automates complex multi-sport scoring, resolves edge cases, and delivers error-free results across 8 dog sports.
- Partnered with customers and event organizers to transform complex requirements into scalable product features, which increased onboarding efficiency by 20%

Green Coral Agrisciences Pvt. Ltd.

Software Engineer

Indore, India

Jan 2021 – May 2022

- Built a full-stack logistics platform using **Flask, React, and MySQL** with **RBAC-secured REST APIs** to replace manual inventory workflows and reduce order processing time by 40%.
- Containerized backend services using **Docker** and implemented **CI/CD pipelines with GitHub Actions** for automated **AWS EC2** deployments.

Alliant Infotech

Software Engineer Intern

Indore, India

May 2020 – Oct 2020

- Developed **React** UI components and **Python** backend services for production systems, including **REST** endpoints and **MySQL** schema updates.
- Diagnosed and resolved production bugs by reproducing issues locally in **Docker**, tracing root causes across **React + Python** services, and shipping fixes that reduced bug turnaround time by 15%.

KEY PROJECTS

TechScope Daily

FastAPI + React + SQLite

- Built **FastAPI** based ingestion pipeline integrating Hugging Face models for daily summarization.
- Implemented **CI/CD with GitHub Actions** to automatically deploy the service to **Render**, scheduled daily model inference jobs, and exposed outputs via production **REST API** endpoints.

Ready-to-Eat

React + Flask + PostgreSQL

- Developed Medi-Caps University's food ordering platform featuring 15+ **REST APIs**, real-time order tracking, loyalty rewards, and admin analytics dashboards.

EDUCATION

University of Florida

M.S. Computer and Information Sciences

Gainesville, FL

Aug 2022 – May 2024

Medi-Caps University

B.Tech. Computer Science

Indore, India

Aug 2019 – May 2022