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*

- Led development of the company's first mobile application **(React Native/Expo)**, delivering 17+ production features in 8 weeks and expanding the platform from web-only to real-time mobile event workflows.
- Architected and deployed backend services in **Python and Node.js on AWS (EC2)**, containerized with **Docker**, using **Redis caching and MySQL** persistence to support real-time scoring operations during live events.
- Designed automated test suite **(200+ unit and integration tests)** enabling reliable weekly production deployments with reduced regression risk.
- Designed a rules engine processing multi-sport scoring definitions and edge cases, eliminating manual adjudication and supporting 8 competition formats with zero runtime calculation errors during live events.
- Worked directly with customers and event organizers to convert complex operational requirements into reusable product features, improving onboarding efficiency 20%.

Green Coral Agrisciences Pvt. Ltd.   **Software Engineer**

Indore, India   *Jan 2021 – May 2022*

- Built a full-stack logistics platform **(Flask, React, MySQL)** with **RBAC-secured REST APIs**, replacing manual inventory workflows and reducing 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%.

PROJECTS

TechScope Daily ⚬ ⬈   *FastAPI + React + SQLite*

- Built FastAPI-based ingestion pipeline integrating Hugging Face models for daily summarization.
- Automated deployment via GitHub Actions and Render, enabling scheduled model inference and API-based content distribution.

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*