

# Pratik Fandade

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## SUMMARY

Full Stack Engineer with 3+ years of experience building production-grade web applications across frontend, backend, and cloud infrastructure. Strong background in systems engineering with hands-on experience in React, TypeScript, Node.js, Django, REST APIs, and cloud-native deployments. MS in Computer Science and Engineering from SUNY Buffalo. Actively seeking full stack engineer roles in 2025.

## EXPERIENCE

- Redprint** - Software Developer Intern (*React Native, TypeScript, Go, AWS, Firebase, Docker*) **Jun 2025 – Present**
- Built and shipped end-to-end mobile features using React Native and TypeScript, integrating REST APIs backed by Go services, supporting 1,000+ active users.
  - Reduced backend API latency by 35% by optimizing Go handlers, adding database indexes, and introducing request-level caching.
  - Designed and deployed cloud infrastructure on AWS (EC2, S3) with Dockerized services, achieving zero-downtime releases via GitHub Actions CI/CD.
  - Implemented Firebase authentication and role-based access control, reducing unauthorized access errors to near zero.
  - Scaled production backend to handle peak traffic spikes with stable p95 latency under load, validated through monitoring and real-time analytics.
- Colgate Palmolive** - Software Engineer (*React.js, TypeScript, Django, PostgreSQL, RabbitMQ, GCP*) **Aug 2022 – Aug 2024**
- Owned full stack development of internal enterprise applications using React.js (MUI), Django REST APIs, and PostgreSQL, serving 1M+ daily API requests.
  - Improved backend throughput by 70% by optimizing SQL queries, introducing Redis-style caching patterns, and tuning Django ORM usage.
  - Redesigned React workflows and component state management, improving user task completion time by 25% based on usability testing metrics.
  - Built and maintained distributed backend services with Django and RabbitMQ, consistently maintaining sub-100ms API latency in production.
  - Implemented CI/CD pipelines with GitHub Actions, Docker, Jest, and Cypress, reducing build and deployment time by 60% and minimizing regression defects.
  - Deployed and monitored services on GCP with containerized workloads, improving operational reliability and release confidence.

- Colgate Palmolive** - Software Engineering Intern (*React.js, Docker, GCP, GitHub CI/CD*) **Feb 2022 – Aug 2022**
- Developed full stack features using React.js frontend and Django REST backend, delivering production-ready functionality under agile sprint cycles.
  - Reduced React UI re-renders by 43% by refactoring component architecture and optimizing client-side state management.
  - Accelerated release cycles by 30% by introducing automated CI/CD workflows with GitHub Actions, Cypress, and Jest.
  - Collaborated with backend and QA teams to ship tested, containerized services to GCP environments.

## SKILLS

- Frontend:** React, Next.js, React Native, TypeScript, JavaScript, HTML, CSS, MUI, Responsive Design, State Management
- Backend:** Node.js, Express, FastAPI, Django, REST APIs, gRPC, Authentication, Authorization, Background Jobs
- Databases:** PostgreSQL, MySQL, BigQuery, BigData, MongoDB, Redis, Database Design, Indexing, Query Optimization
- DevOps / Cloud:** Docker, AWS (EC2, S3), GCP, CI/CD, GitHub Actions, Basic Kubernetes, Terraform
- Testing / Tooling:** Jest, Cypress, Unit Testing, Integration Testing, Git, Linux, Performance Monitoring

## PROJECTS

### Distributed Key-Value Store | *Go, gRPC, Raft, Docker*

- Implemented a fault-tolerant distributed key-value store using custom Raft consensus for leader election and log replication.
- Achieved 99.9% uptime in simulated failure scenarios through leader failover and retry mechanisms.
- Designed gRPC APIs and containerized nodes for reproducible multi-node deployments.

## EDUCATION

**University at Buffalo, State University of New York**  
*Master of Science in Computer Science and Engineering*

*Buffalo, NY*  
**Aug 2024 – Dec 2025**

**Vishwakarma Institute of Technology, Pune**  
*Bachelor of Technology in Information Technology*

*Pune, Maharashtra*  
**Aug 2018 – Aug 2022**