Aditya Hada

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SKILLS

- **Programming Skills:** Golang, Python, NodeJS, C++, JavaScript, Typescript
- **Frameworks:** Gin, Express, React Native, NextJS, React, Django
- **Databases:** PostgreSQL, NoSQL, Redis, ElasticSearch, SQL, MongoDB
- **Tooling and Infrastructure:** AWS, Docker, Kubernetes, Datadog, Git, GCP, Kafa, Argo workflows, Prometheus

WORK EXPERIENCE

Senior Software Development Engineer   03/2025 – present | Bengaluru, India
Razorpay 🔗

- Contributed to Razorpay's core internal Go library, goutils, with a focus on the **Integrated Testing Framework (ITF)**, enabling reliable and scalable integration testing for microservices.
- **Implemented eBPF-based tracing** on the staging cluster to gain deep visibility into system-level performance, network flows, and application behavior, aiding in debugging and performance optimization.
- Designed and implemented an **Internal Developer Platform (IDP) using Backstage**, enabling standardised service onboarding, centralized service catalogs, and self-serve developer workflows, **supporting 250+ microservices.**
- Integrated Backstage with **CI/CD, Kubernetes, and observability tooling**, powering **2,000+ service deployments per day** by **~500 developers** through standardised, self-serve workflows.

Software Engineer   07/2021 – 02/2025 | Bengaluru, India
Fubo 🔗

- **Microservices Development:** Developed scalable REST microservices to showcase game highlights, which serve over 1 million users globally.
- **AI-Powered Video Services:** Built microservices that dynamically generate HLS and MPEG-DASH video files based on AI-driven timestamps, enabling seamless and optimized video delivery.
- **Server-Driven UI:** Implemented server-driven UI features that allow for rapid updates and A/B testing without the need for app store submissions, leading to a 15% improvement in UI update cycles.
- **Real-Time Sports Engagement:** Designed and developed services for NFL, NBA, and NCAA, focusing on real-time team and player-specific plays, enhancing fan engagement with sports content.
- **Data Annotation Tool:** Created an internal data annotation tool, leading to a 30% improvement in the precision and efficiency of the data annotation team.
- **Performance Optimization:** Leveraged Redis caching and Kafka for event-driven architecture, resulting in a 40% reduction in response times and improved fault tolerance.
- **API Integrations:** Integrated multiple third-party APIs for live sports data, enhancing real-time features and increasing user engagement.
- **Code Optimization:** Conducted extensive performance tuning and code optimization for existing microservices, reducing response times by up to 40%.
- **Collaboration:** Worked closely with cross-functional teams, including product managers, designers, and QA, to ensure high-quality deliverables and timely releases.

Tech Stack: Golang, PostgreSQL, Redis, Kafka, Python, Django, Docker, Kubernetes, GCP, Datadog

Software developer Intern   01/2021 – 06/2021 | Mumbai, India
Alyve Health 🔗

- **Slot Booking System:** Implemented a slot booking portal with a weekly calendar feature, enabling users to book appointments with doctors, improving patient-doctor interaction by 25%.
- **Backend Development:** Designed and implemented RESTful APIs for managing doctor schedules, appointment bookings, and user profiles, ensuring secure and efficient data handling.
- **Frontend Enhancements:** Developed responsive user interfaces for the slot booking system using ReactJS, improving user experience and accessibility across devices.
- **Database Management:** Designed and optimized SQL queries and database schemas in PostgreSQL, resulting in faster query execution and improved data retrieval times.

Tech Stack: ReactJS, PostgreSQL, Python, Django, Docker

EDUCATION

Bachelor of Technology   07/2017 – 07/2021 | Indore, India
Shri Vaishnav Vidyapeeth Vishwavidyalaya