Prakash Upadhyay

Tech Architect / Fullstack Developer - 9 years

I envision and believe in **usable apps** *that scale. Primary Stack:* **MERN** *and* **Cloud-native**. *I believe in team innovation and am an avid Hackathoner.*

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→ WORK EXPERIENCE

GoTo Financials (Gojek)

Senior Fullstack Developer

Bangalore | May 2022 - Aug 2024

- Online Payment: SPA app to handle user registration and payments. Revamped RoR code with multiple payment flows (one-time, recurring, PIN based checkout).
- GoTo PIN: Worked in cross-team project for Web SDK development, unified the GoTo user PIN setup and management workflows to **reduce SMS OTP** costs by **$1.5M**. Integrated the SDK with merchant's Web or Native (WebView) flows for user and payment Authentication.
- Setup the project from scratch, building CI/CD and deploying on S3/CloudFront, Ensuring secure redirection and CORS handling with e-2-e monitoring integration for App Observability & Alert (NewRelic) and User event Analytics (Clickstream).

PayTM Insider

Senior Software Developer

Mumbai | Apr 2021 - Apr 2022

- Real time Video Streaming Web App: Built the virtual meetup and event platform (like GMeet) to host Live streaming events. Built using the 100ms platform and in-house ticketing solution featuring **Live Chat, Poll**, QnA and **Leaderboard**.
- Key responsibility was to integrate the 100ms SDK and **optimize** the **Video Tile rendering** logic to minimize performance hiccups in low-bandwidth devices.
- Platform prevents call disconnection in extremely low bandwidth user devices and handles various roles based on streaming capabilities (eg. Admin, Host, Audience).

Inkers.ai

Fullstack Developer

Bangalore | Apr 2019 - Jul 2020

- Fullstack Web Developer building dashboards featuring Role management and fast Web Dashboard with filters. From writing SQL queries on denormalized SQL schema to optimizing queries for various granularities (quarterly / yearly) and using server & client side **caching**.
- Got to work with different clients domains such as **Health, Retail**, Aerospace Engineering and Co-Work spaces.
- My first Full stack role with some of the best tech minds working with **VisionAI and NLP** services. Also customized a Javascript charting library to project dwell time & person movement (directional) data points.

SAP Labs

Software Developer

Bangalore | Jun 2015 - Jun 2018

- Completed the 6 months fellowship with SAP ICN Machine Learning team, Singapore as a Developer.
- Built ML models trained on public data sets, for Gas Meter Reading, Apparel classification using TensorFlow, running in Docker container on EC2 Ubuntu instance.
- Building Image Annotation Tool (RequireJS, HTML5).
- ML model life-cycle and model training management CLI tool (GoLang).
- Developing Spring Boot REST APIs for model Life cycle management(Java) and performance testing (JMeter).

Accenture

Associate Software Engineer

Mumbai | Jul 2014 - May 2015

- Worked on the 9-1-1 Chicago city Emergency Handling software system as an Automation Tester using CodedUI to generate e-2-e test suits.
- Shifted to an Internal Tooling team building employee management web app using WCF services, my first exposure to Software web development.

→ SKILLS

- React.js / Next.js
- Jest / react-testing-library
- Styled-components / tailwind CSS
- Node.js / Express.js / Nest.js
- Javascript / Typescript
- PostgreSQL / Redis / Kafka
- Docker / Kubernetes
- Prometheus / ELK / NewRelic
- CI / CD - GitLab CI
- AWS: EC2, CloudFront, Route 53, S3, Lambda
- Tools: Figma(UI), Git

→ PATENTS & AWARDS

- **USPTO:** 10936288 (Voice enabled User Interface Framework) - Mar 2021
- ECS **ML Hackathon** for Server resource analysis using model ensembling - Oct 2017
- **Winner**(Logistics): SAP Global P&I IoT Challenge - Sep 2016
- **Winner**: SAP sudoCODE 3.0 - Jun 2016
- **Winner**: CodeForCharity SAP - May 2016

→ CERTIFICATIONS

- Software **Architecture**: From Developer to Architect
- Learning **Kubernetes**

→ EDUCATION

Bachelor of Engineering (Computer Science)

Jun 2010 - May 2014

Vivekanand Education Society's Institute of Technology, Mumbai