Deepak Raghu Poojari

Team Lead | Software engineer
+91 9831356868

PROFESSIONAL SUMMARY

Highly accomplished Team Lead and Backend Engineer with 9+ years of experience specialising in designing, developing, and deploying highly scalable web backend, data engineering pipelines, and cloud-native applications. Proven leader in optimising complex systems, driving significant cost savings (up to 50%), processing terabytes of data, and successfully launching an entrepreneurial venture. Proficient across NodeJs, Go, Spark, and extensive AWS/GCP ecosystems, passionate about leveraging cutting-edge technologies to solve complex business challenges and drive product innovation.

CORE TECHNICAL SKILLS

- **Backend:** NodeJs, GO, Express, Typescript, Kafka, Docker, Python
- **Data Engineering:** Spark, EMR, Python, Airflow, Databricks, BigQuery
- **Cloud & Devops:** AWS (Lambda, API Gateway, DynamoDB, S3, CloudFormation, EC2, RDS), GCP, Azure, Kubernetes, GitHub Actions, Docker.
- **Testing:** Mocha, Chai, JMeter, Postman.
- **Project Tracking:** Jira.
- **Monitoring:** ELK, GCP APM, DataDog.
- **Databases:** MongoDB, Redis, Elasticsearch, MySQL, Presto
- **Frontend & Mobile:** Expo (Android/PWA), AngularJS, HTML, CSS, Bootstrap, Mapbox, PWA.

PROFESSIONAL EXPERIENCE

Founder & Lead Engineer

FlickO

Feb 2024 – Present

Founded and developed FlickO, a commission-free food delivery platform designed to empower local restaurants with their own direct ordering app and custom domain.

- Architectured a highly scalable serverless backend on AWS (Lambda, API Gateway, DynamoDB, S3), achieving 70% lower operational costs compared to traditional server-based solutions
- Developed cross-platform mobile application (Android/PWA) using Expo and responsive web platform hosted on Vercel with DNS management and CloudFront optimisation
- Established comprehensive CI/CD pipelines with GitHub Actions, reducing deployment time by 80% and enabling rapid iteration
- Successfully launched MVP, onboarded initial restaurant partners and validated product-market fit through early

user engagement

> **Technologies:** Expo, AWS (Lambda, API Gateway, DynamoDB, S3, CloudFormation, CloudFront), Vercel, Node.js, Go, GitHub Actions, Mapbox and Google Places API, PWA.

Team Lead
Contentstack

Mar 2021 – Jan 2024

- Led team of 4 to re-architect critical Spark applications, reducing processing time for terabytes of data to under 30 minutes and achieving 50% reduction in cloud costs
- Designed and deployed highly scalable NodeJS microservices for analytics applications, managing 30 million logs daily with complex data syncs to internal systems
- Engineered central, high-volume Go-based logging system leveraging Kafka and Elasticsearch for real-time audit log management across microservices
- Established robust SLO/SLA monitoring frameworks using Datadog, significantly improving system reliability and performance tracking

> **Technologies:** Go, Node.js, Spark, Python, Datadog, Kafka, MongoDB, Elasticsearch, EMR, AWS, Azure, Kubernetes, BigQuery

SDE II (Level 4)
Heady.io

Feb 2020 – Mar 2021

- Designed and implemented Node.js-based microservices architecture, driving the migration of monolithic Java backends for key clients like Scotts.
- Built centralized logging and monitoring infrastructure using the ELK stack for all Heady applications and integrated GCP APM for observability of Scotts services.
- Set up end-to-end CI/CD pipelines using GitLab, including private NPM packages, containerized deployments with private Docker images, and seamless integration with GCP

> **Technologies:** Node.js, Python, Airflow, NestJS, ELK, GCP, AWS, MongoDB, Firestore, MySQL, JMeter

Backend Research Engineer
SoftwareAG (Built.io R&D)

Mar 2018 – Aug 2019

- Conducted advanced research and implemented backend service optimisations utilising Apache Kafka for stream-processing , Docker/Firecracker for secure user code execution and Caching using Redis.
- Developed core microservices from scratch, contributing to code reviews and performing extensive load testing with JMeter to ensure production readiness.
- Led research on Action Recommendation System using Artificial Intelligence (LSTM model) for the Built.io platform.

> **Technologies:** MongoDB, Redis, Node.js, TypeScript, Apache Kafka, Firecracker, Go, Docker, Python, JMeter

Application Engineer
Arya.ai

May 2017 – Mar 2018

- Developed full-stack applications (AngularJS frontend, NodeJS backend) for major financial clients (Axis Bank, ICICI), managing end-to-end technical implementation and deployment

> **Technologies:** MongoDB, Node.js, AngularJS, JavaScript, HTML, CSS, Bootstrap

Programmer Analyst
Cognizant Technology Solutions

Feb 2016 – May 2017

- Contributed to the design, development, and maintenance of core card-related functionalities for Credit Suisse, leveraging both Node.js and mainframe technologies

> **Technologies:** PL/I, JCL, DB2, MongoDB, Node.js, AngularJS, JavaScript

EDUCATION

Bachelor of Engineering (B.E.) - Information Technology

Maharashtra Institute of Technology Pune (MIT Pune) | Savitribai Phule Pune University

2011 - 2015

OPEN SOURCE CONTRIBUTIONS

Spdxvalidator

Go-logger