Kunal Avghade *Associate Software Engineer*

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📍 Pune, Maharashtra, India

Profile

Full Stack Software Engineer with 2.5+ years of experience in frontend and backend frameworks, along with exposure to DevOps and AI/ML technologies.

Skills

Backend	**Languages**	**Database**
Nestjs, Spring, Spring Boot, FastAPi	JavaScript, Java, Python, C++,	PostgreSQL, Redis, MongoDB, Redis
	Tools and Platforms	
Frontend	Kafka, Rabbitmq, AWS, GCP, Jenkins, GIT, Docker, Temporal	**Other**
ReactJs, NextJs, HTML, CSS, Javascript		OOP, DSA, Problem Solving, Machine Learning, Gen-AI

Experience

Associate Software Engineer   2023/07 – present | Pune, India
Calfus .Inc

Worked across the full-stack domain, handling diverse technologies and delivering high-quality code across multiple projects. Actively participated in daily scrums, sprints, and collaborated on Jira tickets. Contributed to code reviews and supported team members.

Netapp Data Migrator
- **Tech Stack:** Spring Boot, NestJS, NextJS, RabbitMQ, gRPC, REST, Temporal, Redis, PostgreSQL.
- Delivered a fully tested solution capable of migrating **terabytes** of data in **hours** for **NAS storage systems**, supporting **NFS/SMB** protocols.
- Designed a server to manage a high load using **gRPC** and **API** calls, **built** storage **discovery** and **migration agents** with **multithreading** and **multi-service** work distribution.
- Built an optimized backend for faster and reliable data transfer, implemented **authentication** and **authorization** using **Keycloak** and **Auth0.**
- **Optimized** migration and discovery speed throughout the development cycles.

Asurint.com
- **Tech Stack:** Spring Boot, React, NestJS, ArgoCD, GCP, Jenkins, GraphQL, PostgreSQL, Kafka.
- Project consisting of **Background verification** and report generation.
- Developed over six epics to support **criminal record checks**, SSN **searches**, education verifications, order management, and report generation workflows, ensuring smooth handling of verification requests from initiation to completion.
- Built **microservices** enabling seamless data processing and inter-service communication, with multi-vendor **Api integrations** in the system.
- Leveraged **GCP** for infrastructure, **ArgoCD** for continuous delivery, and **Jenkins** for **CI/CD** automation, ensuring efficient deployment and scalability.

Money Viewer
- **Tech Stack:** Python, FastAPI, React, PostgreSQL, AWS.
- Contributed as part of the product development team to create an enterprise solution for visualizing **cash flows** through graphical representations and **AI-driven i**nsights.
- Built well-tested and documented APIs and web interfaces to display financial data, efficiently gathering data from files for real-time insights.
- Developed a scheduling service to automate weekly data updates in the database, ensuring accuracy and currency of information.

Projects

Vision Based Intelligent Recipe Recommendation System ⊡
- The **system recommends** a list of various **recipes** by **detecting vegetables** present in the **image**, with the option to take a photo or upload.
- The **deep learning** algorithm Yolo trained on a Custom dataset to detect and classify via transfer learning.
- Backend build with **Django** with request **authentication** and **authorization** and user interface with **HTML, CSS, & javascript**.

IScholar ⊡
- Scholarship website with application and user management, desk-wise form approval system.
- User authentication and pagination implemented for dashboard, and **MySQL** database connectivity.
- backend build with **spring boot, spring MVC** and **spring security, JPA** and **HTML, CSS, JS** as Frontend

Education

B. Tech Electronics and Telecommunication   2020 – 2023 | Pune, India
Vishwakarma Institute of Information Technology

Achievements

Drive Dynamo
Calfus Inc. | Won Award for Most Dynamic Technology Adaptation and Pushing Boundaries valuable contribution to the project for year 2023, 2024 and 2025

Problem Solving ⊡
Solved 1000+ Question | Under Top 7% coders in LeetCode with rank below 13K

Hackerrank Certificates ⊡
Obtained 6 Badges | Passed 7 Certification Tests

Certificates

AWS Certified Solutions Architect - Associate ⊡ aws	**AWS Certified Cloud Practitioner** ⊡ aws	**IBM AI Engineering** ⊡ coursera	**Machine Learning** ⊡ coursera

Publications

Vision Based Intelligent Recipe Recommendation System ⊡
Eur. Chem. Bull. 2023 (DOI: 10.48047/ecb/2023.12.si4.1124)

Interests

- Listening Music
- Creating Animations

Languages

- English
- Hindi
- Marathi