

NARESH KUMAR KAUSHAL

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ABOUT ME

I am software engineer with ~2 years of experience building scalable web applications using Java, Spring Boot, Python, GraphQL, Kafka, SQL and RESTful APIs on the back end, and TypeScript, React on the front end. I'm passionate about solving complex engineering challenges, leveraging cloud-native technologies, and delivering high-impact solutions.

EXPERIENCE

Wayfair | *Software Developer 1 (Full Time)*

Austin, TX | **Jul 2024 – Mar 2025**

- Developed an automated exception handling microservice using **Python**, **GraphQL**, **PostgreSQL**, **TypeScript** containerized with **Docker** to eliminate shipment issues across microservices, boosting revenue by **40%**.
- Led the redesign and development of tracking service using **Python**, **Kafka**, **GraphQL**, **SQLAlchemy** and **GCP** capturing **90%** shipment milestones in real time from 3 APIs and EDI connections, increasing tracking accuracy by **15%**.
- Ensured code reliability through **TDD**, comprehensive unit and integration tests using **Pytest**, **Factory Boy** for backend and **Jest**, **Cypress** for frontend and real-time log monitoring using **Datadog**, **Kibana** and **Grafana** across all projects.
- Performed on-call rotations monitoring **Kubernetes** pods on **GCP**, utilized **Kanban** for prioritizing production issues, and reduced **MTTR** by **25%**.
- Developed an intelligent AI agent using Python, Langchain, Langgraph and OpenAI API to automate basic **CRUD** operations, **OCR** on documents slashing service tickets by **75%**

University Of California Davis | *Software Development Engineer (Part Time)*

Davis, CA | **Nov 2023 – June 2024**

- Co-founded and lead the development of roommate finder full-stack web application using **JavaScript**, **React.js**, **MongoDB** and **Node.js** for **8000+** graduate students at UC Davis.
- Engineered the frontend **UI/UX** for dashboard and roommate finder feature using **React.js** and **CSS** while also designed secure and efficient **RESTful APIs** leveraging **NoSQL** database to ensure fast and reliable data access.

WOAS Technology | *Full Stack Developer (Full Time)*

Bengaluru, India | **Jun 2021 – Jul 2022**

- Spearheaded a team of 5 in the development of an interactive gallery, using **Java**, **JavaScript**, **HTML** and **CSS** following agile methodologies, enabling users to pin feedback on images and send notifications; increasing customer engagement by **45%**
- Designed new **RESTful APIs** for microservices using **Java**, **Spring boot**, **Postman** and Optimized **SQL** queries achieving a **25%** reduction in critical response times.
- Contributed to both end-to-end software testing and deployment, using **Jenkins** for **CI/CD** pipeline, resolving 100+ bugs tracked using **JIRA**, and **JUnit** for unit and integration testing, ensuring product stability and reliability.

Planful | *Software Developer Engineer (Co-op)*

Hyderabad, India | **Jun 2020 – Dec 2020**

- Developed a **.NET** console application using **C#** and **MySQL** to automate anomaly detection in financial data, reducing prediction errors in financial planning models by **40%**
- Collaborated with senior developers in debugging using **NUnit** framework, resolving over **30+** issues tracked in **JIRA**.

TECHNICAL SKILLS

Programming & Web Development: Python, Java, JavaScript, C++, React.js, TypeScript, Kafka, GraphQL, REST APIs, SQLAlchemy, PostgreSQL, MySQL, Spring Boot, MongoDB (NoSQL)

AI/ML & Modern Frameworks: PyTorch, LangChain, LangGraph, LLMs, FastAPI, Pydantic, Flask

DevOps & Tools: Linux, Github, Docker, Kubernetes, AWS, GCP, Jenkins, Buildkite, Grafana, Maven, GBQ, Azure, AWS, Okta

Monitoring & Testing: Kibana (Elastic search), Datadog, JIRA, Postman, Factory-boy, Pytest, Jest, Swagger, JUnit, Kanban

EDUCATION

University of California, Davis

Davis, CA

Master of Science in Computer Science; GPA: 3.93/4.0

Sep 2022 - Jun 2024

- Coursework:** Software Engineering, Machine Learning, Design and Analysis of Algorithms, Distributed Database Systems

Indian Institute of Technology Goa (IIT GOA) Bronze medallist

Goa, India

Bachelor of Technology in Computer Science And Engineering; GPA: 3.9/4.0

Aug 2017 - May 2021

- Coursework:** Programming in C++, Operating Systems, Computer Architecture, Computer Networks, Compiler Design