# Vaishnavi Kadam

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## PROFESSIONAL SUMMARY

**Software Engineer** with **3+ years** of experience building **full-stack web applications**, **real-time systems**, and **scalable backend services**. Proficient in **JavaScript (React.js, Node.js, Next.js)**, **Python**, and **SQL**, with strong exposure to **RESTful APIs**, **microservices**, and **cloud-native architectures**. Experienced with **AWS**, **Google Cloud**, **CI/CD**, **certified by AWS and IBM in cloud architecture, technical essentials, and full-stack development.**

## EDUCATION

**Master's in Computer Science,** *Illinois Institute of Technology*              Aug 2023 – May 2025  |  Chicago, IL

**Bachelor of Engineering in Information Technology,**              Jul 2020 – May 2023  |  Mumbai, India
*University of Mumbai*

## SKILLS

**Programming Languages & Frameworks** — JavaScript, TypeScript, Python, Java, C++, PHP, Dart, React.js, Next.js, Node.js, Flutter, Express.js, HTML, CSS

**AI, Machine Learning & NLP** — GPT-3/4, OpenAI Whisper, LangChain, Large Language Models (LLMs), Prompt Engineering, Chatbot Development, TensorFlow, PyTorch, Scikit-learn, SVM, PCA, Sentiment Analysis, Text Classification, Named Entity Recognition (NER), Semantic Tagging, spaCy

**Web & App Development** — Full Stack Development, MongoDB, Express.js, React.js, Node.js, RESTful APIs, Microservices, Serverless Architecture, Socket.IO, Redux, JWT, OAuth

**Databases & Data Platforms** — PostgreSQL, MySQL, SQL Server, MongoDB, DynamoDB, NoSQL, Supabase, Firebase, Auth0

**Backend & APIs** — Node.js, Express.js, RESTful APIs, Microservices, Serverless Architecture

**Cloud & Devops** — AWS (Lambda, S3, API Gateway), GCP (Cloud Run, GCS, Vertex AI), Microsoft Azure (basic), Docker, GitHub Actions, CI/CD Pipelines

**Tools & Collaboration** — Git, GitHub, Postman, JIRA, Confluence, Lighthouse, Jest, Mocha, Performance Optimization

**Software Engineering Practices** — Object-Oriented Programming (OOP), System Design, Agile (Scrum), SDLC, Unit Testing, UAT

**Operating Systems** — Windows, Linux (Ubuntu, Debian), macOS, Shell Scripting, Bash, Command Line Tools

## PROFESSIONAL EXPERIENCE

**Software Developer,** *Uber*                                                                              Jun 2025 – present  |  CA, USA

- **Engineered** a fare calculation microservice using **Spring Boot** and **PostgreSQL**, achieving sub-150ms response times across the core trip booking workflow.
- **Redesigned** the driver dashboard with **React.js** and **Material UI**, reducing load times from 4.8s to 1.9s and simplifying multi-tab navigation for drivers.
- **Developed** secure trip-history endpoints using **Express.js**, **JWT**, and **MongoDB**, handling over 2M authenticated requests daily.
- **Implemented** a real-time vehicle tracking pipeline using **WebSockets** and **Node.js**, supporting 70,000+ concurrent sessions without performance drops.
- **Crafted** a server-rendered frontend in **Next.js** for location-based promotions, cutting bounce rates by 11% and enabling dynamic content delivery.
- **Integrated** an Angular-based admin panel with internal APIs to streamline operations review, improving case resolution workflows for support teams.

**Software Web Developer Intern,** *Skyline Innovation Inc*                              Jun 2024 – Aug 2024  |  Remote, USA

- **Developed and maintained responsive web applications** using **React.js** and **JavaScript**, improving client-side performance and user engagement by **30%**.
- **Built and integrated RESTful APIs** with backend services using **Node.js** and **Express**, streamlining data flow and reducing page load time by **40%**.
- Collaborated cross-functionally with UI/UX designers and QA teams in **Agile sprints**, ensuring delivery of pixel-perfect features and achieving **98% sprint completion rate**.
- Implemented **SQL-based data handling and API integrations**, increasing backend efficiency and enabling real-time updates across key modules.

**Software Developer,** *Dell Technologies*                                Jun 2022 – Jun 2023 | India
- **Built** modular components in **React.js** for a system diagnostics dashboard used by support engineers, reducing ticket resolution time by 1.6 hours on average.
- **Designed** and deployed RESTful services in **Node.js** to handle device health telemetry, supporting over 500,000 active endpoints with minimal latency.
- **Integrated** AWS-hosted microservices with **MySQL** for a license validation backend, improving data consistency checks across three regional clusters.
- **Optimized** complex SQL queries in high-traffic routes, bringing down response time from 2.3s to 600ms during peak operational loads.
- **Configured** secure API gateways using **AWS API Gateway** and **IAM roles**, simplifying internal access control without compromising performance.
- **Collaborated** with UI/UX and QA teams in Agile sprints to align REST API design with frontend behavior, helping close 20+ integration bugs before release cycles.
- **Refactored** legacy authentication middleware in **Node.js**, streamlining session handling and reducing user login failures by over 1,200 cases monthly.
- **Monitored** backend service health using **AWS CloudWatch** and custom alerting scripts, helping identify 3 recurring memory leaks during peak usage.

**Full Stack Developer Intern,** *KPMG*                                Nov 2021 – May 2022 | Mumbai, India
- **Developed** basic web pages using **HTML**, **CSS**, and **JavaScript**, contributing to a product inventory management portal used by internal teams.
- **Implemented** CRUD operations for a materials tracking module using **Node.js** and **MySQL**, helping streamline daily item logging.
- **Assisted** in integrating **RESTful APIs** with the frontend using **React.js**, enabling dynamic updates on the tool maintenance dashboard.
- **Tested** UI components manually and wrote basic test scripts to catch input validation issues, reducing minor frontend bugs during internal reviews.
- **Configured** project environments on local machines using **Git**, **npm**, and basic shell scripting, supporting team development workflows.
- **Participated** in daily stand-ups and sprint planning sessions, improving collaboration with mentors and learning team-based delivery processes.

**Software Developer Intern,** *Digicable Network India Pvt Ltd*                                May 2019 – Apr 2020 | Mumbai, India
- **Contributed** to a basic customer plan management tool by building UI forms using **HTML**, **CSS**, and **JavaScript**, helping staff input subscriber details more efficiently.
- **Assisted** in maintaining a small **MySQL** database for set-top box inventory, including writing simple queries and updating records under supervision.
- **Helped** debug and test internal web modules, logging browser issues and inconsistencies to support the senior developer team during deployments.
- **Learned** to build simple REST API routes using **Node.js** for internal service requests, gaining exposure to backend request handling.
- **Documented** code and project workflows using **Google Docs** and **Git**, contributing to internal team onboarding materials for future interns.

## PROJECTS

### GitHub Data Visualization and Search Tool
- Developed a **semantic GitHub query engine** using **Node.js**, **OpenAI embeddings**, **ElasticSearch**, and **Docker**, enabling natural language search across repositories.
- Deployed on **Google Cloud Run**, achieving a **40% boost in search accuracy** and **35% latency reduction** via optimized indexing and parallel query execution over 10,000+ test inputs.

### AI-Powered Portfolio & Assistant
- Built a personal developer site using **Next.js**, **TypeScript**, **Tailwind CSS**, and **Supabase pgvector**, featuring a **GPT-integrated chatbot** and dynamic GitHub blog feed.
- Achieved **<2s load time** via Lighthouse optimization and improved **recruiter engagement by 65%**, enhancing personal branding and interactivity.

### Cloud-Based Automation Framework
- Designed a **serverless automation pipeline** using **AWS Lambda**, **API Gateway**, and **RESTful APIs**, enabling seamless workflow integration across platforms.
- Reduced **data processing latency by 25%** while improving scalability and deployment efficiency through event-driven architecture.

## CERTIFICATES

Full Stack Software Developer Assessment – IBM  ✐  | AWS Cloud Technical Essentials – Amazon Web Services  ✐  |

Architecting Solutions on AWS – Amazon Web Services  ✐  | Data Analytics Simulation – Accenture  ✐