Lavina Khushlani

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SKILLS

Programming Languages & Markup: Python, Java, JavaScript (ES5/ES6), HTML, CSS

Frameworks & Libraries: Node.js, React, Angular, Django, Flask

Cloud, Databases & Container Technologies: Firebase, Firestore, PostgreSQL, AWS, GCP, Docker, Kubernetes

Tools & Platforms: Git, GitHub, Postman, REST APIs, Linux, NoSQL, Terraform, ELK

Technical & Methodological Skills: Full-Stack Development, Data Structures, Algorithms, High-Level Design (HLD), Low-Level Design (LLD), Machine Learning, Generative AI, Agile methodologies, CI/CD

EXPERIENCE

Software Engineer 3, Pluralsight – Bengaluru, IN
Jan 2024 – current

- **Developed a reusable AI Insights widget** in React (leveraging react-draggable, state & context providers) for dynamic widget positioning and minimize/maximize controls—cutting report navigation time by 30% and boosting engineer engagement by 25%.
- **Packaged** the AI Insights widget as a **standalone React component**, integrated into **Storybook** for centralized testing documentation and reuse across teams - reducing component on-boarding time by 40% and ensuring 100% UI consistency.
- **Integrated the OpenAI API** into a Django backend behind API Gateway and AWS Lambda, and engineered iterative prompts for enhanced report summarization thus simplifying complex metrics and empowering executives and teams to make data-driven decisions without manually sifting through vast data sets.
- **Participated in architecting and implementing** an event-driven **smart notifications** system to power subscription-based newsletter emails using AWS Lambda, SQS, PostgreSQL, Rest APIs in Django. This feature streamlined user engagement by automatically sending rich, data-driven communications to all subscribers.
- **Engineered dynamic HTML email templates** showing month-over-month comparisons of Git, Jira, and custom metrics, delivering visualizations with contextual commentary and recommendations that boosted team performance.

Senior Software Engineer, JP Morgan & Chase – Bengaluru, IN
May 2021 – Dec 2023

- Designed and developed a **full-stack content management platform** for Centre for Wildlife Studies (via J.P. Morgan's Force for Good), enabling role-based login for students, trainers, and admins, with features like class scheduling, study material management, and dashboards—built using React, Flask, Firebase Auth, and Firestore.
- **Automated complex financial product calculations** using Python and Flask, driving 80% unit-test coverage for enhanced code reliability and accelerated release cycles
- Designed and implemented **interactive dashboards** with React and Charts.js backed by Python REST APIs to visualize process and trade-level data—cutting statistics retrieval time by 45 minutes and boosting operational efficiency.
- Improved processing speed for data uploads and downloads using Python **multiprocessing**, increasing speed by **52%**.

Software Engineer, HSBC Technology – Pune, IN
July 2018 – April 2021

- **Reduced Service Requests by 47%** in the issue tracking tool JIRA using NLP and the jira-python API by implementing cosine similarity and TF-IDF techniques.
- Achieved cost savings equivalent to **3 FTEs** by automating the manual reconciliation process; optimized a Subset-Sum algorithm using generators and applied it in developing one-many rule-based amount netting algorithms.
- Designed and developed a RESTful web application in Angular and Django supporting full CRUD operations, including **Maker Checker** functionalities and user audit trails.
- Developed asynchronous framework and **micro-services-based** architecture. Worked on alerting mechanisms in case of failures (Email Alerting using **SMTP**).

EDUCATION

GLA University, Mathura
July 2014 – July 2018
B.Tech in Computer Science

- GPA: 8.1

CERTIFICATIONS

- Google Cloud Platform (GCP): Core Infrastructure
- Essential Google Cloud Infrastructure: Foundation
- Essential Google Cloud Infrastructure: Core Services
- Python for Data Science and Machine Learning