Sumedha Kolli

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EXPERIENCE

Adobe Inc.   Salt Lake City, UT
Software Engineer - Workfront Fusion   August 2023 - Present
- Develop **exposed API** in **NestJS microservice** to **automate workflow creation** from templates, reducing **customer and professional services' time-to-value** by 70%
- Lead **cross-team development** of native JSON app integrating Adobe Lightroom API with authentication and 15+ endpoints, creating **30+ use cases** for a **new enterprise Creative Cloud customer base**
- Design and implement Angular **product roadmap** of search, categorization, tagging, and filtering for Fusion Templates, **increasing the feature usage** 5x and **reducing onboarding** time for 10+ users/month
- Pioneer **first AI initiative** on the team with an AI Assistant using **LangChain and internal LLM's** trained on product documentation and user workflows, driving **customer efficiency, adoption, and innovation**

Adobe Inc.   San Jose, CA
Software Engineering Intern - Workfront Fusion   May 2022 - August 2022
- Analyze **resource usage** for 100+ enterprise clients to **optimize allocations** for efficiency
- Develop **RESTful NodeJS microservice** to **aggregate cost/usage metrics** and **clarify profit margins**
- Build data pipelines with MongoDB, Postgres, Elasticsearch, RabbitMQ to **improve customer insights**
- Implement **native JSON application** with microservice as backend for **weekly reports and visualizations**
- Reduce **resource costs** for 60% of clients, earning **top 5 ranking** among 1000 intern projects

PennyMac Financial Services   Los Angeles, CA
Data Engineering Intern   June 2021 - August 2021
- Optimize 50+ **data pipeline jobs** with pandas, Google OAuth 2.0, AWS Athena/S3, **cutting runtime** by up to 60% and **storage** by up to 30%
- Document upgrades with web-based diagrams, facilitating **team understanding and integration**
- Present optimization findings to engineers/analysts, **fostering collaboration** and **continuous improvement**

EDUCATION

University of Southern California, Viterbi School of Engineering   Los Angeles, CA
Bachelor of Science in Computer Science & Business   May 2023
Minor in Applied Analytics   GPA: 3.8
Honors & Awards: Trustee Scholarship, Dean's List, Alpha Lambda Delta Scholar
Relevant Coursework: Advanced Programming in Python, Web Publishing, Data Structures & Object Oriented Design, Introduction to Algorithms, Principles of Software Development, Software Engineering, Data Science

SKILLS

Programming Languages: Python, C++, Java, Java/Typescript, R, HTML, CSS, Swift, SQL, C#, Dart
Frameworks and Tools: React, Node, Angular, Postgresql, Firebase, Docker, Unity, Flutter, LangChain, PyTorch

PROJECTS

Get-SVG-Icons   *Typescript, Python, Beautiful Soup, HTML/XML*
- VS Code Extension with 1000+ users, providing a side panel, search functionality, and inline recommendations for seamless integration of icons into frontend code to streamline UI development

SocioMark   *ReactJS, OpenCV, MongoDB, FastAPI*
- A secure social media platform employing authentication, customizable user profiles, posting, sharing, interactive liking/commenting functionalities, and advanced image encryption using Arnold transformations, safeguarding creators' content against piracy

Clarity   *Flutter/Dart, Firebase, Cloud Vision API*
- Mobile app for users to scan skincare products and receive personalized recommendations based on their skin type to optimize their skincare routines using image recognition, product ingredient data, and user data