Rishabh Shah

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Skills

Backend: Python, Java, Node.js, MySQL, PostgreSQL, MongoDB, Docker, Jenkins, Kafka
Frontend: JavaScript, React.js, Redux, Next.js, HTML & CSS, Django, Flask, Material-UI, Swift, Objective-C, Xcode
Cloud: Google Cloud Provider (GCP), Amazon Web Services (AWS), Microsoft Azure, Heroku, Firebase, Vercel
Other: Git, Jira, Confluence, Bash/Shell, Dependency Injection, Unit Testing, Agile, Scrum, GPT-4, Prompt Engineering, Figma, Typescript, NLTK, OpenCV, scikit-learn, TensorFlow, NumPy, Pandas

Work Experience

Roku – Software Engineer – Austin, Texas **August 2022 – May 2023**

- Built and shipped 3 core updates to TestRail API integrations in Roku Developer Tools, including automated TestRail report generation, a native test trawler, and a feature that turns unstructured documents into presentable reports
- Wrote AWS Lambda function to track and store 580+ infrastructure access events and built a reporting dashboard to provide insights for upcoming feature development
- Boosted internal unit test infrastructure access speeds by 13% by Dockerizing dependencies and adding shortcut in IDE
- Spearheaded improvements in CI/CD pipeline failure handling workflow, reducing downtime and improving reliability

HubSpot – Software Engineer Co-op – Cambridge, Massachusetts **August 2021 – December 2021**

- Designed and shipped 2 core front-end features as part of HubSpot cookie consent banner to assist businesses in monitoring site cookies, including a company policy form and style customization banner built using React.js, Node.js, and Redux
- Enabled real-time cookie classification using AWS S3 Object Lambda to pre-process site cookie data (split training/test data and encode categorical variables) and deploy supervised learning model in production
- Co-led beta release on 13 customer platforms, driving product improvements through A/B testing and feature flagging

Roku – Software Engineer Intern – Austin, Texas **June 2021 – August 2021**

- Improved RokuOS third-party CI/CD pipeline performance by 65% via integrating automated firmware upgrades, dependency reloads, and token re-authorizations in failure handling workflow
- Scaled test infrastructure to validate HDMI signal operability using a Roku RESTful API, eliminating 32 hours of work monthly

Texas Instruments – Software Engineer Intern – Richardson, Texas **June 2020 – August 2020**

- Shipped React components and routes for design validation application, achieving a more user-friendly workflow
- Created monitoring tool to highlight semiconductor design issues based on customer returns data using SQL and Spotfire
- Collaborated with cross-functional teams to integrate and sync React components with back-end APIs

Projects & Entrepreneurship

Airbnb HostAI **May 2023 – Present**

- Built and shipped Generative AI feature that helps Airbnb hosts create listing content, recording 100+ active users
- Created chatbot to help hosts streamline launch operations using LangChain and GPT
- Leveraged OpenCV and NLTK to build image and text evaluators to help hosts improve existing listings

Airbnb Co-owner – Panama City Beach, Florida **December 2022 – Present**

- Co-purchased and renovated single-family home into fully furnished short-term rental, grossing $150,000 annually
- Integrated property management software, AI-driven guest care, and dynamic pricing to achieve hands-free business model

LinkD, Digital Networking Card **October 2022 – December 2022**

- Programmed iOS application to allow users to generate custom digital cards with social and professional profiles
- Crafted aesthetic UI on Xcode Storyboard and integrated Firebase for user authentication

Education

University of Texas at Austin, Austin, TX **2018 - 2022**

- B.S. in Mechanical Engineering, Computer Science, GPA: 3.72 / 4.00
- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Databases, Data Analytics, Machine Learning, iOS Mobile Computing, Web Development, Dynamic Systems and Controls, Mechatronics, Engineering Statistics, Linear Algebra