Rishabh Shah

512-934-2485 | shahrishabh7@gmail.com |Website | GitHub | LinkedIn | Austin, Texas

Skills

Backend: Python, Java, Node.js, MySQL, PostgreSQL, MongoDB, Docker, Jenkins, Kafka, Redis, TypeScript
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**
- Revamped TestRail API integrations and shipped 3 key reporting features in Roku Developer Tools, including automated test creation, population, and ability to cleanly export results, utilized in production by 500+ third-party developers
- Implemented in-memory caching using Redis for frequently requested metrics in Roku Resource Monitor, reducing database queries by >30% and improving application performance
- Built React.js snapshot dashboard of infrastructure access events to assist product leads in prioritizing value-driving enhancements; wrote AWS Lambda function to capture 580+ events in real-time and aggregate insights
- Reduced latency for unit test infrastructure access by 13% by containerizing dependencies using Docker

HubSpot – Software Engineer Intern – 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 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 handler to resolve common errors
- 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**
- Shipped suite of generative AI tools to help Airbnb hosts launch and scale quicker, securing 100+ paid host users
- Built chatbot with LangChain, GPT, and Pinecone (transcribed and vector indexed 100+ real estate videos and books)
- Deployed with Vercel to monitor application performance in production (fault-tolerance, API response latency), integrating Redis for in-memory caching, Firebase for authentication, and Stripe for payments

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