

Rishabh Shah

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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 [unit test infrastructure](#) access latency 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