

# Shailesh Vasandani

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(725) 465-0301

## → SKILLS

**Concepts:** UI/UX-forward engineering, TDD, Design systems, Concurrency, Event-based architecture, Microservices, Asynchronous design, Predictive analytics, Smart contracts, Card issuing, Revolving credit products, Ledgering

**Tools:** React, NextJS, Tailwind, Node + Express, Node + Fastify, Ruby + Rails, Rust + Rocket, Prisma, MySQL, PostgreSQL, GraphQL, MongoDB, Apache, Nginx, AWS, GCP, Cloudflare, Kubernetes, Docker, Helm, Git, Make, Terraform, Travis, Buildkite, Capistrano, RSpec, Jest, Selenium, Cypress, Vercel, Scikit-learn, SageMaker, JupyterLab, pandas, dask

**Languages:** Golang, TypeScript, JavaScript, Ruby, Java, Python, C, C++, Rust, SQL

## → EXPERIENCE

### **Rain** – *Founding Software Engineer*

06/2022 – present

- Developed a card issuing product with a full-service API, white-labelled frontend, built-in accounting, and Web3 smart contracts, boosting monthly company revenue by ~10x
- Architected a custom immutable dual-entry ledger system designed for performance, auditability, and scalability, underpinning over \$1M in card transactions monthly
- Integrated a new issuing processor, refactoring the system into a multiprocessor platform with feature parity across international card networks, increasing addressable market by nearly 35x
- Led work on a new design system, enabling teams to ship features up to 4x faster
- Interviewed, hired and onboarded 2 team members across design and engineering

### **Better Mortgage** – *Software Engineer, SRE*

06/2021 – 06/2022

- Drove production readiness initiative, creating services in Go and React, reducing average incident resolution time by ~55%, and lifting overall test coverage by 45%
- Migrated critical services to a new user acceptance testing infrastructure environment, accelerating end to end test performance by 63%
- Proposed and ran A/B tests on preapproval flow and analyzed results for statistical significance, increasing loan origination by more than \$7M and revenue by over \$560k
- Automated internal Node package upgrade, slashing frontend bundle size by more than 81%

### **TerraLing** – *Software Engineer*

08/2019 – 06/2021

- Designed and implemented a microservices-based search architecture, creating Go, Rust, and React services, improving median search performance by 5x and 99th percentile by 650x
- Lessened downtime by 84% by extracting critical path logic into separate services with high resiliency, redundancy, and monitoring using Go, Node.js, Docker, and Kubernetes
- Created a new CI/CD pipeline, ramping up open-source contributors more than 2x faster

## → EDUCATION

### **New York University** – *Bachelor of Arts*

**Major:** Computer Science (Overall GPA: 4.0)

**Honors:** summa cum laude, Faculty Memorial Award, Computer Science Prize, Angelica Foundation Research Scholar, Dean's Undergraduate Research Fund x2, Dean's List x4

## → PROJECTS

### **Cumulus** – *Cofounder*

- Established a DaaS platform using Node, React, Puppeteer, and D3 visualizations to help job seekers assess the market, collecting over 100,000+ data points
- Won Hack The Northeast x 1517's Most Novel Hack, securing \$26k in grant funding