Ezra Singh

FULL STACK ENGINEER

Profile

Dedicated to collaborative problem-solving, leveraging teamwork to engineer impactful solutions.

Experience

Full Stack Engineer, Mongotel Inc, Brooklyn

JULY 2020 — OCTOBER 2023

Chat Application

Created a communication platform linking user phone numbers to a web client for SMS/MMS messaging, enhancing internal collaboration with role-based access control and real-time messaging, improving operational efficiency and customer engagement.

- Led a team to scale the app, managing 250k monthly messages and 1000+ users.
- Collaborated with a cross-functional team to develop backend.
- Developed real-time web app using WebSockets and React.

SMS Onboarding

Led the initiative to streamline the onboarding process for SMS-enabled businesses, resulting in increased customer acquisition and revenue, while ensuring regulatory compliance and enhancing operational efficiency.

- Developed a Django-based Python application for onboarding SMS-enabled businesses.
- Implemented The Campaign Registry onboarding flow to ensure regulatory compliance.

Legacy Migration

- Led the migration of hand-built EC2 instances to containerized applications, resulting in a 60% reduction in monthly operating costs.
- Identified single points of failure through reverse engineering of pre-existing architecture.
- Collaborated with project managers to strategically plan milestones and address technical debt.
- Conducted code review to ensure seamless deployment and prevent disruptions in production.

Front End Developer, Related Painting, New York City

JANUARY 2018 — JANUARY 2019

Contractor Pairing App

Developed core features linking contractors with local gigs using React and Firebase, collaborating closely with UX designers to accurately translate designs, resulting in the successful implementation of an MVP for the business's initial release.

Back End Developer, Empire Capital Holdings, New York City

JANUARY 2016 — JULY 2017

Built a Real Estate Property Search Engine web app using Python and SQL, improving lead identification from scraped listings to strengthen the investment firm's competitive position.

Details

Brooklyn, NY
United States
singhezra@gmail.com

Links

LinkedIn
Portfolio
Github
Gitlab
Articles

Skills

Git
Rust
NodeJS
Python
Typescript
React
TailwindCSS
Django
NextJS
GraphQL
SQL
MongoDB
Redis
Docker
Terraform
AWS
CI / CD
Linux

Languages

English

Education

Self Taught

2016 — PRESENT

My education is primarily self-directed, driven by a passion for learning and practical application. Through self-guided study, I have developed the ability to solve complex problems, adapt to new technologies, and continuously expand my expertise. Some areas of intrest I study are: computational geometry, system design, distributed systems, automata theory, control theory, information theory and modern physics.

Rochester Institute of Technology, Rochester, NY

2015 — 2016

Studied Electrical Engineering at RIT, learning concepts such as digital circuit design, signal processing, and finite-state automata. Discontinued studies due to familial financial circumstances.

Illustration, High School of Art & Design, New York City

2011 — 2015

Educated in digital arts, fine arts, principles of art, and design elements through the Career Technical Education program. Acquired professional certifications, including Adobe Certified Associate and Visual Arts industry-based certification from NOCTI.

References

References available upon request

Additional Pursuits

Public Speaker, Indy Rust Group, Indianapolis

I discuss Rust, exploring its applications in web development, such as WebAssembly and WebGPU. My goal is to share my journey of learning and applying Rust through engaging talks and presentations.

Contributor, Open Source

I'm enthusiastic about contributing to open-source projects, actively participating in development communities and assisting with initiatives such as Nix and OpenAPI. Additionally, I develop libraries and tools aimed at enhancing developer productivity. My motivation comes from a sincere dedication to fostering collaborative innovation and support within the community.