

# Aayush Kumar Sahu

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## EXPERIENCE

### Founding Software Engineer(Full-Stack), Beatoven.ai

Mar 2022 – Present | India

- Built and launched Stripe for payments across the Frontend, Backend & Infrastructure increasing transaction efficiency and user satisfaction by 25%
- Helped in migration of our main composition module to AWS Lambda, enhancing scalability and reducing operational costs
- Refactored our main application code, enhancing user experience, boosting developer productivity, and reducing bugs
- Implemented CI/CD using GitHub Actions, streamlining deployment processes and reducing release times
- Managed user analytics to identify growth opportunities, driving product enhancements and user engagement
- Developed RESTful APIs in our backend, enhancing data retrieval efficiency and improving user experience
- Created internal tools with Retool and wrote Python scripts to analyze user data and track business metrics
- Managed user support and feedback, communicating directly with customers to resolve technical issues and improve product features
- Managed user authentication using AWS Cognito, ensuring secure access and enhancing user data protection
- Handled error tracking and monitoring with Sentry and Datadog to catch issues early and improve app stability
- Identified and resolved low database query performance using DynamoDB and Sentry, improving user experience of our tool, leading to faster load times and increased user satisfaction by 40%
- Monitored infrastructure using Squadcast and AWS, ensuring system reliability and reducing downtime incidents

NextJS, Tailwind, JavaScript, Python, Flask, AWS Cognito, DynamoDB, RDS, AWS Lambda, Stripe, Retool, Datadog, Sentry, Docker, Github Actions, Grafana, Mixpanel

### Google Summer of Code Mentee, AsyncAPI

Jun 2021 – Aug 2021

- Developed the Open-Source AsyncAPI diff project enhancing ease of change between AsyncAPI documents
- In use across different organisations, improving reliability of Event-Driven architecture
- Gathered feedback from the community regarding the tool improving the usability of the tool
- Worked on generating diffs, and presenting it in meaningful way

TypeScript, NodeJS

### Full-Stack developer intern, Basic Roots Consulting

Jun 2021 – Dec 2021

- Developed frontend UI using NextJS and RESTful backend APIs, enhancing user experience and system integration
- Utilized AWS services like S3, DynamoDB, and Amplify to enhance cloud technology capabilities, improving data storage and retrieval efficiency
- Implemented file uploading and retrieval processes using AWS S3, which streamlined data management and improved access speed
- Managed event-based data handling using queues, which improved system responsiveness and data processing efficiency

JavaScript, NodeJS, React, AWS S3, DynamoDB, Amplify

## OPEN-SOURCE WORK

### AsyncAPI, Contributor

- Maintainer of AsyncAPI Diff library
- TSC member of AsyncAPI organization
- Contributing to diff & CLI tool and working on bounty issues

### The Odin Project, Contributor

- Helped improve The Odin Project's curriculum.
- Worked on discord bot for The Odin Project discord.

## PROJECTS

### phoenix.aayushsahu.com, Phoenix, LiveView, Tailwind, Elixir, Postgres, fly.io

A set of tools (dashboard, pastebin, notes, etc.) made for personal use.

### MeowUI, Rust, Phoenix Channels, WebSocket

A TUI for local tools such as project manager.

### Battleship, Phoenix, LiveView, Elixir

Real-time multiplayer battleship game.

### TabuRei, Javascript

An Open-Source cross browser extension to manage tabs.

## SKILLS

**Programming Languages:** TypeScript, Python, Elixir, Rust, Golang, Scheme, Racket, SQL, Bash/Shell **Web:** NextJS, React, Tailwind, Svelte, NodeJS, Deno, Bun, Flask, Express, GraphQL, Phoenix Framework, Phoenix LiveView **Infrastructure and Databases:** AWS, MongoDB, Postgres, CI/CD, Github Actions, Linux, Redis, Docker **Tools:** Vim, Git, Figma

## EDUCATION

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**B.Tech**, *Jaypee Institute of Information Technology*

Aug 2019 – May 2023 | Noida, India

## MISCELLANEOUS

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**Core Team Member**, *JIIIT Open-Source Developers Circle*

Sep 2020 – May 2023

- Gave talks on Open-Source, and Git
- Helped in conducting weekly meetups
- Organized various events to foster the open-source culture in our college

**Speaker**, *AsyncAPI Conference 2021*

Gave talk about my GSoC project [🔗](#)

**Speaker**, *DelhiFOSS 2022*

Gave talk about Elixir and what makes it different.