



Product-minded full stack engineer with 3+ years experience building scalable, production-grade web applications. Experienced in shipping features end-to-end across modern frontend stacks, cloud-native backends, and event-driven infrastructure.

CONTACT

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EDUCATION

BACHELOR OF TECHNOLOGY IN
COMPUTER SCIENCE AND ENGINEERING
Indian Institute Of Information Technology,
Guwahati, India

CGPA: 8.98 (on a scale of 10)

Batch of 2022

SCHOOL
Salt Lake School, Kolkata, India

High School (2018): 93.75%

Grade School (2016): 96.6%

2004 - 2018

TECHNICAL SKILLS

Languages:

Java, JavaScript (ES6+), TypeScript, SQL

Frameworks:

React, Hasura (GraphQL), Apollo (GraphQL)

Databases:

PostgreSQL, DynamoDB

DevOps:

Serverless Framework, Docker, Jenkins, CircleCI

Cloud & Infra:

AWS Lambda, CloudWatch, Elastic Beanstalk

Tools and Libraries:

FullCalendar, Figma, Git, Zapier

November 2024 - May 2025

BUILDING CHATTERBUGS WEB APP – Brainy Bug Resources

- Developed an end-to-end [web application](#) link designed to seamlessly complement existing physical card decks sold by the client, enhancing user engagement and product experience.
- Enabled secure, user-specific access by integrating a unique 6-digit code linked to each purchased physical deck, unlocking tailored digital content upon verification and payment.
- Engineered direct content access through QR codes printed on each physical card, allowing users instant digital navigation to corresponding audio content within the web app.
- Led full-stack development lifecycle, including technology stack selection, database architecture, data storage solutions, and infrastructure hosting.
- Implemented frontend using Next.js, providing an intuitive, performant, and responsive user interface.
- Designed a robust authentication solution with Firebase Authentication, enhanced through custom server-side blocking functions to append additional JWT claims via Firebase Cloud Functions.
- Built a secure and scalable backend with PostgreSQL, exposing data through a GraphQL API powered by Hasura. Ensured secure access control by leveraging the custom JWT claims added while authentication
- Developed specialized backend services using Rust with Axum, strategically chosen for superior performance and memory efficiency on resource-constrained environments (hosted effectively on a 1GB RAM DigitalOcean droplet), significantly outperforming alternatives like TypeScript or Python.
- Extended server functionalities by implementing Hasura Actions and Event triggers directly within the Rust-based Axum server, enhancing operational efficiency and responsiveness.
- Automated deployment pipelines and database migrations using GitHub Actions, streamlining continuous integration and delivery processes for Hasura and Rust services.

WORK EXPERIENCE

Nov 2023 - Apr 2025

Remote

MID LEVEL PRODUCT ENGINEER – Greyfinch (US based Orthodontic Practice Management Software)

Greyfinch Pay App – Revamp and Feature Development (Jan 2024 -- Jul 2024)

- Was part of a 3 person team, who worked on the overhaul of the payment infrastructure, modernizing core services and improving reliability
- Defined and scoped requirements for a new standalone Pay App to support seamless one-off payments
- Engineered and delivered the full-stack solution from scratch within a month, enabling rapid adoption across partner clinics

Modernization of Appointment Calendar Experience (Aug 2024 -- Apr 2025)

- Played a key role in migrating legacy calendar modules to a modular and maintainable architecture
- Rebuilt the UI using FullCalendar, matching Figma designs with pixel-perfect precision and improving user interactivity

Jan 2022 - May 2023

Remote

FULL STACK BLOCKCHAIN DEVELOPER – Questbook (YC 21)

- Joined as a frontend engineer, working on the [grants tool](#) frontend
- Worked on the [set of smart contracts](#) that power the Questbook [grants tool](#)
- Added and modified handlers for the [subgraph](#) that indexed the events emitted by the above contracts. The data was queried from the frontend using a GraphQL API, that was exposed by the same subgraph node.
- Maintained the graph node for subgraph deployment on four chains
- Developed a [Serverless API endpoint](#) that could be used to poll data periodically by [Zapier](#) and be used by other apps
- Built an [email notification service](#) using [Serverless](#), for Questbook users. It would poll the subgraph at specific intervals and send out emails based on new and modified data
- Created a [Telegram bot](#) for user action notifications. It comprised a webhook, where the Telegram server sent new subscription requests and a cron job that sent out periodic notifications based on a pub-sub architecture
- Acquired experience with AWS Lambda while deploying serverless apps, AWS Elastic Beanstalk for graph node management, and AWS CloudWatch for debugging