Shanu Sharma

Software Engineer · Computer Science Major · IIIT SURAT

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Skills

Languages	Typescript · Rust · Python · Elixir · C++
Frameworks	SST · NextJS · Terraform · tRPC · Turborepo · NodeJS · AWS - SDK · GraphQL · Mocha - Chai · Strapi
Platforms	AWS · Linux · Elasticache · SendGrid · Hubspot · Mixpanel · Docker · ECR · ECS · Docker Hub
Databases	Prisma · PostgreSQL · AWS RDS · AWS DynamoDB · Redis · Tinybird/Clickhouse · IndexedDB

Experience

BLS India-Canada *New Delhi, IN (Remote)*
Senior Software Engineer (Contract) *Nov. 2024 - Present*
- Built frontend application for visa, immigration and related services for clients based in Canada using React/NextJS, Typescript, Material-UI, Hostinger, etc.
- Designed and built backend and database services for user application to create bookings, track shipments/documents, payment services and webhooks, etc using Node/ExpressJS, MySQL, SequelizeORM, Stripe, Hostinger ,OAuth 2.0, etc
- Implemented systems to protect against malicious denial of service attacks using Docker and Redis.

Fluxon Technologies *Hyderabad, IN (Remote)*
Software Engineer (Google AI xWF) *Jul. 2024 - Sep. 2024*
- Worked on Google internal services for Google Gemini AI stack.
- Working on a SAAS project for staffing and project management using NextJS, Next-Auth, PostgreSQL, Chakra UI, etc
- Created an internal audit log system to track activities by all users for Administrators.

Atom Cloud *New York, NY (Remote, India)*
Software Engineer (Contract) *May. 2023 - Jul. 2024*
- Working as a Fullstack Engineer implemented a fully serverless data migration and synchronization tool(periodic and on-demand) for processing on a Big Data scale from Salesforce using AWS EventBridge, Step Functions, Lambda, DynamoDB, Terraform, Salesforce Bulk API.
- Implemented OAuth flow for connected Salesforce application and session management using OAuth 2.0 standard, NodeJS, DynamoDB, NextJS (ReactJS), Open-Next, Terraform.

Amplify Life Insurance *San Francisco, CA (Remote, India)*
Software Engineer *Aug. 2021 - Nov. 2023*
- Worked as a Full Stack Engineer writing efficient and scalable RESTFul APIs in Serverless NodeJS (TS) and responsive React components for the web applications.
- Implemented an event-driven mailing, notification and communication system for customers and agents using SST, AWS Event Bridge, SendGrid and AWS-SDK, AWS-CDK, AWS Lambda.
- Implemented a cross-platform investment management mobile app for customers to track their ETF investments across various insurance products using React-Native, Expo, Redux, Redux-Saga, etc
- Deployed complete Phoenix (Elixir) based server to a fully managed container orchestration service using Docker, AWS ECR, AWS ECS, EC2 Application Load Balancers, Route 53, AWS RDS, etc
- Designed and implemented a device tracking system to help Product Managers identify efficiently the drop offs during insurance applications. Enhanced it to track the screen sizes, operating systems and browsers of users for a smoother and efficient conversion using Mixpanel and JavaScript.
- Designed and implemented a real-time quoting system of an investment product for a major insurance carrier using NodeJS, Web Sockets, AWS DynamoDB, Custom Chrome Extension, AWS EC2, etc
- Implemented a dashboard for marketing teams to track the impact of our various marketing campaigns across multiple channels and their conversion to sales using ReactJS, NextJS, Material - UI, AWS DynamoDB, etc

Prepbytes Technologies *Gurugram, India*
Technical Content Intern *Apr. 2020 - Jul. 2020*
- Worked as a technical content intern curated fundamental computer science problems to upskill top engineers and developers across India.
- Created 100+ tested data structures and algorithmic problems for engineers preparing for their interviews on topic such as Binary Trees, Dynamic Programming, Graphs, Trees, etc
- Worked on streaming platform for students to access live classes and solutions using HTTP Live Streaming protocol, Wowza Streaming Engine, etc

Education

Indian Institute of Information Technology, Surat   *Gujarat, India*

B.Tech in Computer Science and Engineering   *July 2017 - June 2021*

- CGPA: 8.39 / 10.00

KV Chandimandir Cantt (Central Board Of Secondary Education CBSE)   *Panchkula, India*

AISSCE (All india senior secondary certificate examination)   *Jan 2013 - June 2017*

- 12th percentage 90.80 %
- 10th CGPA: 10.00 / 10.00

Achievements & Certifications

Achievements

- World Rank 353/17661 in Codeforces Round 615
- Global rank 319/5000 in Hackerearth Programming Contest
- All India Rank 36/14000 in KVS Mathematics Olympiad

Certifications

- Micro1 certified full stack engineer.
- 'A' grade certification of Open Source Society, IIT Bombay for Scientific Computing using Python
- Problem Solving (Intermediate) Certification from Hackerearth