

Experience

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| Software Engineer
Identity Team (Go, TypeScript, PostgreSQL, GraphQL) <ul style="list-style-type: none">• Maintaining and shipping AuthN/AuthZ micro-services of Twitch which serves close to 300k RPS.• Shipped e2e security features to user account settings like verifying a phone number and allowing phone reuse for multiple accounts.• Improved visibility on Auth and Settings UI components of the Twitch Website by adding availability tracking. | Twitch | July 2021 – Present |
| Research Assistant - Full Stack
Course Catalog App, Course Creation App for Fire Safety (Node/GraphQL/React) <ul style="list-style-type: none">• Overhauled the complete end to end payment ecosystem including wishlist, cart, coupons and support for multi currency/country transactions (on Stripe).• Crafted interactive, reusable ReactJS components for the course editor (MS PowerPoint like) and developed accessible user interfaces.• Reduced the deployment bottlenecks of the frontend/backend apps using CircleCI/CD and boosted the SDLC efficiency. | Fire Research Lab, NYU | Sept 2019 – May 2021 |
| Software Engineer
Kubric Storage App (Cloud Storage Dashboard) <ul style="list-style-type: none">• Simplified the process for adding new UI filters dynamically to the app by composing a node module which increased code coverage by 60%.• Enriched the UI experience by adding editing and transformation capabilities and creating HTML Canvas playgrounds in ReactJS.• Increased the upload throughput by building a batched queue in the pipeline and provided error and progress reporting through APIs. Kubric Player (kubric-player.surge.sh) <ul style="list-style-type: none">• Built a light-weight, embeddable interactive HTML5 video player SDK with DASH support for e-commerce product videos to boost online shopping experience for Kubric's clients. | Kubric | May 2018 – May 2019 |
| Google Summer of Code Intern
SUSI.AI Smart Chat Assistant (https://tinyurl.com/rsf3czn) <ul style="list-style-type: none">• Implemented internationalization, user authentication, theme switching capabilities and a feedback system in ReactJS for the Chat App for an immersive experience.• Enhanced interactivity with the assistant by enabling voice input and output capabilities. SUSI Skills (https://susi.ai - Skills for Chat Assistant) <ul style="list-style-type: none">• Created an easy to access skill discovery page for the chat assistant similar to Alexa Skills.• Improved the bundle size of the app and the build time by 70% using code splitting and gzip compression provided by webpack. | Google Summer of Code, FOSSASIA | May 2017 – Aug 2017 |

Projects

- **Restaurant Recommendation Bot** (2020). Scalable serverless micro-service for location based restaurant suggestions from Yelp API. AWS Lambda, DynamoDB, Elastic Search, Lex, SNS and SQS. <https://github.com/rishiraj824/Restaurant-Recommendation-Bot>
- **Heddler** (2020). Photo storage and album creation tool for digital studios and for making portfolios. AWS S3, NextJS, MongoDB, Cognito <https://heddler.com>
- **Chalk It Out** (2020). HTML Canvas and WebSocket server based live teaching app with content capture and multiple user connections. Deno, HTML Canvas, ReactJS. <https://chalk-it-out.surge.sh/>

Additional Experience and Awards

- **Google Developer Groups Organizer (2016-18)**: Organized Hackathons, tech talks, and contributed to and moderated various open source projects.
- **Google Summer of Code Mentor (Summer 2018)** Ensured daily SCRUM Reports, performed code reviews.
- **CodeHeat Finalist (2017)** for Loklak Search (Advanced Twitter Search Engine) – Top 10 contributors amongst 443 participants worldwide, invited to FOSSASIA Tech Summit, Singapore for the award. Angular 2.

Skills

Languages: Java; Python; Javascript; C++; C; SQL;
Technologies: NodeJS; ReactJS; GraphQL/Apollo/Relay; MongoDB; Django; Deno; Angular.js(2/4); React Native; Jest/Enzyme; Redis; PostgreSQL; Kafka; Serverless; AWS Stack - Lambda/SQS/SNS/DynamoDB/Amplify/S3; Next.js; Elastic Search; Docker;

Education

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| • M.S. in Computer Engineering, New York University. | Sept 2019 – May 2021 |
| • B.Tech. in Computer Science, VIT University, India. | July 2014 – April 2018 |