Rajat Singh

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EDUCATION

Jaypee Institute of Information Technology — Noida, India
Bachelor of Technology in Computer Science Engineering — *July. 2015 – May 2019*

EXPERIENCE

Software Engineer II: FullStack — Nov 2022 – Present
Slice — *Bengaluru, India*

Slice is a fintech organization from Bengaluru known for pioneering financial solutions. The company's flagship products - Slice UPI, Slice Borrow, and Slice Account, redefine the way individuals interact with money.

- Migrated legacy web application to an optimized **monorepo** using technologies like **ReactJS, Redux Toolkit, React Turbo, React Hook Forms** and a React component library based on **Atomic design principles**.
- Optimized the Bulk Operation service by eliminating **memory leaks**, boosting its processing capacity from a **single 2 lakh file to handling multiple 20 lakh files**. This optimization played a key role in **increasing slice's Gross Transaction Value (GTV) from 5 cr to 40 cr**.
- **Reduced cost** by deprecating the legacy monolith service and introducing an Orchestrator service using NestJs, which seamlessly coordinated multiple microservices.
- Took ownership of eliminating major tech debts like: writing **Unit testing, AWS ECS to EKS migration** while enhancing observability through **Grafana , MongoDb to PostgresSQL Migration and Security enhancements.**

Software Engineer I: FullStack — Sept 2020 - Oct 2022
Slice — *Bengaluru, India*

- Led **end-to-end development** of an **in-house web app** using React-Redux, demonstrating full ownership.
- Developed an **Access Control Service**, granting user access based on specific roles and permissions, dynamically rendering React components following responsive design.
- Created a **Bulk Operation Service** to efficiently process large volumes of data from files with rate limiter and its integration with AWS CI/CD pipelines through various CDKs.
- Contributed to the **Task Operation Service**, optimizing the real-time **distribution of manual tasks** among agents and teams, significantly **enhancing team productivity**.
- Delivered major features like **Basic KYC, Repayment, etc.** in collaboration with Product and QA teams.
- Streamlined KYC processing, cutting **processing time by 70%**, through the automation of processes like auto loan decisioning, auto-verification, and auto-completion. This resulted in more KYC approvals with less workforce, **reducing workforce requirements from 300 to 120**.
- Addressed diverse tech backlogs, including **AWS EC2 to ECS** migration and security enhancements.

Software Developer — May 2019 – Aug 2020
Mountblue technologies — *Bengaluru, India*

- Took ownership of improving UX of internal **CRM web apps** based on **ReactJs**, implemented the backend services utilizing **MongoDB, Node.js, and Express** for optimal performance and scalability by making them configured to the needs of individual teams.
- Executed seamless **deployments using AWS and Jenkins** ensuring the application's availability and reliability.

Tech Highlights: ReactJS, NextJS, SCSS, SASS, MUI Core, Styled Components, AWS, Figma, Agile methodologies, CI/CD, REST, JSON, RTK Query, Python, Kakfa, Redis, Docker, Terraform

PROJECTS

URL shortener — Git: Link
Email Parser using IMAP Server — Git: Link

TECHNICAL SKILLS

Languages: JavaScript, TypeScipt, HTML, CSS, SCSS, SASS, MongoDb, PostgreSQL
Frameworks: React, Node.js, NestJS, Material-UI, Tailwind CSS
Developer Tools: Git, AWS, Sentry, REST, JSON, Visual Studio Code, Figma
Libraries: ReactJS, Redux, Redux Toolkit, React Hook Forms, MUI Core, Winston, Mongoose, PG, async, lodash