

Kushal Srivastava

SOFTWARE ENGINEER

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About Me

Results-driven Software Engineer and tech geek with a diverse skillset and a passion for innovation and problem-solving. Experienced in delivering robust solutions and optimizing software performance. Excels in fast-paced environments, tackling complex challenges with analytical precision. I nerd out on MCU and Power Rangers trivia.

Work Experience

Zluri

Bengaluru, India

Nov. 2023 - Present

SOFTWARE DEVELOPMENT ENGINEER

- Working on the SaaS Management platform, with primary ownership of the Identity Governance and Administration (IGA) module.
- Shipped out my first critical feature, providing **insights for privileged users** during access reviews within 2 weeks.
- Collaborated with Product Managers, Design, and Customer Support teams to proactively deliver features and address customer pain points.
- Achieved a **65% reduction in the time** required for raising and approving application requests by engineering Slack integrations for the same.
- Designed and implemented a market-breaking feature enabling **multi-level reviews** in access review campaigns **at scale**.
- Reduced customer issues by 33%** by enabling service-level **disaster recovery mechanisms** and optimizing performance through query enhancements.
- Improved operational excellence** by promptly tackling on-call issues and service/API failures leveraging observability tools like Datadog and Sentry.
- Mentored interns and junior engineers** during their onboarding and feature delivery processes.
- Led the efforts within my team to **migrate our database** from MongoDB to Postgres, ensuring data integrity and relational consistency. Contributed to the organization's broader migration strategy.
- Leveraged **AWS DMS** for efficient data migration and developed **DBT scripts** to format and structure data accurately in Postgres tables. Built the Data Access Layer and migrated APIs and background jobs to integrate seamlessly with Postgres.
- Tools and Technologies used: Javascript, TypeScript, NodeJS, Kafka, MongoDB, Postgres, Bull MQ, Argo, AWS S3, Sentry, Datadog.

Captain Fresh

Bengaluru, India

Jun. 2022 - Oct. 2023

SOFTWARE DEVELOPMENT ENGINEER

- Spearheaded the **remodeling of the finance module**. Worked with Product Managers to develop technical specifications. Designed and built the **backend service** to process all **vendor/customer payments**, and incorporated credit/debit knock-off behavior in a **scalable** fashion.
- Achieved a **4x performance boost** in payment processes compared to the previous Zoho ERP setup.
- Set up **two way sync** between the previous ERP and the new Finance service in a **master-slave architecture** to ensure sanity of incoming transactions and facilitate smooth migration. Adapted myself to learn and understand Zoho Deluge.
- Contributed vital UI components** to the Finance Module, **accelerating product development** while emphasizing collective efficiency.
- Tools and Technologies used: Java, SpringBoot, Service Framework, Hibernate, PostgreSQL, AWS S3, AWS SQS, AWS SNS, ReactJS.

BACKEND INTERN

Jan. 2022 - May 2022

- Built the **first production ready version of in-house Finance Backend module** from scratch to handle customer and vendor transactions.
- Designed and implemented transaction and ledger behaviour, integrated Razorpay payment schemes to handle order processing and refunds.
- Engineered an expense module** which accepted company wide expenses and validated them based upon expense category and type.
- Tools and Technologies used: Java, SpringBoot, Hibernate, JHipster, PostgreSQL, Golang, Iris, MongoDB.

D.E. Shaw & Co.

Hyderabad, India

May. 2021 - July. 2021

SOFTWARE INTERN

- Developed and deployed an in-house toolset from scratch to aggregate, display and update datasets informations used by Finance wing.
- Enhanced overall productivity by 200%** by reducing the dependence of the financial stakeholders over Ops team and eliminating slow e-mail based communications.
- Tools and Technologies used: ReactJS, Redux, Python.

Projects

Distributed File System

Java, SpringBoot

BACKEND APPLICATION

Jan. 2022

- Developed a Distributed File System, **based on Google File System**, composed of a master server, multiple chunkservers and clients.
- Implemented file-handling strategies at chunkserver level; handled multilevel failure cases.
- Project Link - <https://github.com/kushrike/gfs>

Zemotacqy

Javascript, Flask

WEB APP - WINNING PROJECT AT HACK36

Feb. 2020

- A platform that would **help doctors in assessing the growth and improvement** of their patients suffering from mental disorders like **ADHD** by running a set of **research-backed cognitive tests**, resulting in comprehensive and actionable insights.
- Project Link - https://github.com/kushrike/all_kavs36

Skills

Programming Languages	Java, Javascript, Golang, TypeScript, C++, Python
Tools and Technologies	Object Oriented Design Patterns, Linux, REST, DBMS, Sentry, Datadog, Redis
Libraries and Frameworks	Spring Framework, NodeJS, ExpressJS

Honors & Awards

2020 **Winner**, HACK36 - National level hackathon at MNNIT Allahabad. Teamname - "all_kavs"

MNNIT, Allahabad