

SHASHANK SINGH

Software Developer

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Website

in LinkedIn

Bangalore



EXPERIENCE

JP Morgan Chase & Co. Bangalore, India SDE-2 2024

- Designed and implemented a high-performance financial transaction processing system handling **2B+ daily records** using **Kafka, Spark, and Hadoop**, achieving a **25%** analytics performance boost. Developed **ETL** data pipelines to efficiently publish processed data from **Hadoop to S3 and Snowflake** for scalable storage and analytics.
- Diagnosed and corrected critical flaws in **Unix shell scripts** for **Linux servers**, improving **Hadoop data processing reliability**, reducing incidents by **93%**, and achieving **99.9% uptime**.
- Mentored **3 interns** on application development, operational workflows, and debugging techniques, leading to faster onboarding and project contribution.

JP Morgan Chase & Co. Bangalore, India SDE-1 2022

- Configured & maintained five applications on disaster recovery servers with **active-active architecture**, implementing load balancers and failover scripts to ensure **99.99% availability** and **reduce failover time by 30%** for encrypted transactions.
- Developed **20+ Splunk alerts** and **Grafana dashboards** to monitor critical services and **reduce downtime by 55%**.
- Executed the migration of **Spring Boot (v2 to v3) & Java (v8 to v11)**, resolving **15+ compatibility issues** and improving application runtime efficiency by **20%**.

JP Morgan Chase & Co. Bangalore, India Summer Intern 2021

- Built and deployed a **Selenium-based View-Bot for YouTube**, automating **500+ views daily** for controlled testing scenarios, showcasing **automation capabilities** and identifying video content behavior patterns.
- Designed an interactive **prototype for lending services** using **AdobeXD**, incorporating feedback-driven design principles to reduce prototype revision cycles.
- Created a functional Chase Homepage clone for internal testing environments using **Cucumber and Java**, enabling end-to-end testing scenarios and reducing testing setup time by **20%**.

EDUCATION

National Institute of Technology Bhopal, India B.Tech in Computer Science 2018 - 2022

LANGUAGES

English
Hindi



SKILLS



ACHIEVEMENTS

- AWS Cloud Certified (CLF-C01)**
Expertise in cloud fundamentals, including architecture, deployment, and operations within the AWS ecosystem.
- Won Code For Good Hackathon**
Selected for internship and won the 1st prize.
- Qualified for Google Code Jam & Facebook Hacker Cup**
- Inter School PowerPoint Competition**
Rank 1 for two consecutive years.
- Regional Mathematics Olympiad**
Rank 7 at state level.

PROJECTS

Panah Foundation - NGO

Python, Tkinter

- Developed an interactive **SMS application** using **Python and Tkinter** to send verification status updates to users, ensuring seamless communication.
- Built a web application for the NGO during a **24-hour hackathon**, demonstrating rapid development skills and the ability to **deliver under tight deadlines**.

Interactive Dev Portfolio

Next.js, React, Tailwind CSS, TypeScript

- Developed a personal portfolio website using **Next.js and Tailwind CSS**, achieving a **90+ Lighthouse performance score** and reducing load time to under 2 seconds.
- Deployed the portfolio on **Vercel**, ensuring **99.9% uptime**, mobile responsiveness across **10+ screen sizes**, and improved SEO with a Google PageSpeed score of **90+**.

HOBBIES

