SHASHANK SINGH

Software Developer

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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 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

`Java` `Shell` `C++` `Unix` `Spring Boot`
`Kafka` `Hadoop` `Spark` `Hive` `Hbase`
`SQL` `NoSQL` `Cassandra` `S3` `ETL`
`Control-M` `Jenkins` `Grafana` `Splunk`
`Big Data` `AWS` `Git` `Bitbucket` `Agile`

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

`Stock Market` `Chess` `Tennis`