KAPISH SHEWALE

Software Engineer

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Summary

Results-driven Software Engineer with over 4 years of full-stack development and cloud infrastructure management experience. Skilled in Java, JavaScript, Python, React, Node.js, and AWS. Proven track record of boosting performance by up to 45%, resolving critical issues, and leading successful serverless migrations. Passionate about delivering high-quality solutions and enhancing user experiences. Adept at working in Agile teams and managing cross-functional projects.

Professional Experience

Western Climate Initiative, Inc. | Software Engineer, USA   Apr 2023 – Jun 2024
- Boosted performance by 40-45% through centralizing database connection logic in a Lambda Layer singleton.
- Resolved over 50 high to medium priority bugs, enhancing platform stability and user experience.
- Refined CI/CD scripts and automated branch creation, saving 4 to 5 hours per week in QA deployments.
- Enhanced security by migrating RDS passwords to AWS Secrets Manager, saving 10 hours a month on password rotation.
- Migrated carbon trading registry platform from monolithic to serverless using React, Node.js, Python, and AWS services.
- Implemented AWS services (Lambdas, Secrets Manager, Cognito, etc.) for robust cloud infrastructure.
- Optimized MUI grid by implementing server-side pagination, reducing client data load and improving rendering efficiency.
- Designed new features, managed 3 vendor teams, and conducted over 100 code reviews to ensure high-quality, maintainable code.
- Provided support during QA deployments, ensuring operational readiness for auctions worth more than $10 million.
- Collaborated in an Agile team of 10+ members, utilizing Scrum methodology, and participating in sprint planning and retrospectives.

University of Texas at Arlington | Web Developer, USA   Sep 2021 - Dec 2022
- Managed upgrade projects for UTA Libraries websites from Drupal 7 to Drupal 9.
- Built multiple Drupal modules leveraging existing modules to facilitate the migration and enhancement.
- Worked on Drupal front and back-end development, along with theming using HTML/CSS and JavaScript.
- Enhanced user engagement by 20% by improving overall website experience and responsiveness.
- Collaborated with UX/UI designers to create accessible and intuitive website interfaces.

Zensar Technologies | Software Engineer, India   Dec 2017 - Feb 2020
- Developed a bidirectional SQL and NoSQL migration tool using Spring MVC, reducing migration time by 40%.
- Developed 10+ end-to-end API integrations using MuleSoft for CISCO Systems, Inc., boosting lead generation efficiency.
- Improved research paper repository UI with "new" labels and sorting options, boosting usability and engagement.
- Maintained documentation for API integrations and developments, ensuring knowledge transfer and team efficiency.
- Resolved numerous QA bugs, improving system stability and user satisfaction.
- Conducted knowledge transfer (KT) sessions for new hires, accelerating their onboarding process.

Academic Projects (https://github.com/Kapish0104)

Find Me Recipe - Cloud Computing - AWS (RDS, Lambda Functions), Google App Engine, Flask   Nov 2022
- Developed this cloud-based food recipe search engine which utilizes REST APIs to fetch data.
- Makes use of Amazon Rekognition for Image analysis and to identify food item from its image.

Siremar (A resident management web portal) - Web Development - React.js, php, SQL   Feb 2022
- A web-based portal which helps an administration to manage its population.
- Based on the population, it calculates an estimate of money, fuel, and food to be requested from the government.
- Included additional functionalities like chat, admin panel and report generation.

Technical Skills

- **Languages:** Java ● JavaScript ● Python ● HTML/CSS
- **Frameworks/Libraries:** React ● Flask ● Spring
- **Tools/Platforms:** GitHub ● Git ● Eclipse ● VS Code ● JIRA ● Maven
- **Technologies:** Node.js ● AWS
- **Databases:** DynamoDB ● PostgreSQL ● MySQL ● SQLite
- **CMS:** Drupal 7 ● Drupal 9 ● WordPress

Education

Master of Science in Computer Science (GPA 3.66/4)   Jan 2021 - Dec 2022
University of Texas at Arlington, United States.
Relevant Coursework: Cloud Computing, Design and Analysis of Algorithms, Secure Programming, Data Mining

Bachelor of Engineering in Computer Science (GPA 7/10)   Aug 2013 - May 2017
Rajeev Gandhi Technical University, India.