Prateek Upadhayay

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Summary

Result-driven Full Stack Developer and UI Lead with over four years of experience in designing, developing, and supporting scalable software solutions. Skilled in AWS, Serverless Framework, RESTful APIs, and databases (SQL, PostgreSQL, MongoDB). Proficient in CI/CD with Jenkins and Kubernetes, creating design documentation, and leading POCs. Strong in client communication, automation testing, and mentoring.

Skills

- Node.js
- React
- Angular
- JavaScript
- Express.js
- Nightwatch.js
- Linux
- Python - NumPy
- Pandas
- Matplotlib
- Scikit-learn
- Git
- HTML/CSS
- AWS - EC2, Lambda, CloudWatch, CloudFront, S3 bucket, SNS, Cognito, SES, STS
- Context API
- API Design
- Database – MongoDB, SQL, MySQL, PostgreSQL, Cassandra
- Data encryption
- Software documentation
- Web security
- Scrum methodology
- WebSocket
- Payment gateway
- Postman
- JIRA
- MS Office
- OOPS
- Jenkins

Experience

12/2022 - Current
Software Engineer, **Ksolves India Limited**, Noida, India

- Collaborated with development and testing teams to design and implement scalable, high-performance solutions that align with client requirements
- Reviewed project specifications and developed technology solutions that consistently met or exceeded performance benchmarks
- Worked closely with engineers to optimize software and hardware interfaces, improving overall system integration and efficiency
- Applied testing methodologies by writing and executing test plans, debugging, and developing custom test scripts and tools to ensure software quality
- Developed and implemented RESTful APIs using Express.js and Node.js for efficient data handling and server communication
- Integrated dynamic data visualizations, including scatter and line charts, using Chart.js and AngularJS to enhance user interfaces
- Utilized Jenkins for automated builds and deployments, streamlining the CI/CD pipeline
- Optimized complex chart calculations by implementing web workers, significantly improving performance in the application's frontend

10/2020 - 11/2022
Software Developer, **Codeblock Technologies**, Noida, India

- Developed and implemented RESTful APIs using Node.js on the AWS cloud platform
- Collaborated closely with clients to gather requirements and translated them into detailed technical documentation
- Implemented a serverless architecture leveraging AWS API Gateway and Lambda, with Lambda code deployed via Amazon S3
- Created and configured Lambda functions to receive events from S3 buckets, automating deployment processes
- Played a key role in resolving production issues and ensuring system reliability
- Contributed to the development of a web-based data protection suite, enhancing user security through advanced data management tools
- Designed and tested RESTful APIs using Postman, and integrated monitoring with AWS CloudWatch
- Implemented secure login and sign-up functionalities using AWS Cognito, ensuring seamless user authentication
- Led training sessions for new joiners and interns, providing both functional and technical guidance
- Conducted research to introduce new features and improve existing project implementations
- Developed custom IAM role policies and implemented AWS Security Token Service (STS) for secure, temporary access to AWS resources
- Automated testing processes using Nightwatch.js to ensure software quality and efficiency across various features

Education

01/2020
B.Tech, Computer Science Engineering
Indraprastha Engineering College, ghaziabad

01/2016
Matriculation
St Xavier's Senior Secondary School, Basti

01/2014
Sr. Secondary
St Xavier's Senior Secondary School, Basti