AYUSH VERMA

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EDUCATION

Dr M. C. Saxena College of Engineering and Technology, Lucknow *Aug 2018 - Aug 2022*
Bachelors of Technology in Computer Science with a CGPA of 8.1 out of 10

EXPERIENCE

Lloyds Technology Centre - Hyderabad, India

Software Engineer 1 *June 2024 - Present*
- Developed BDD test cases with 90% code coverage, ensuring thorough validation of business requirements.
- Designed APIs using Java and Spring Boot, achieving 95% test coverage through comprehensive JUnit tests.
- Enhanced production API security by reducing critical dependency vulnerabilities by 80%.
- Improved API performance and scalability by 25% through optimized code design and proactive vulnerability management.

Flowace – Remote

Software Development Engineer 1 *April 2023 - June 2024*
- Developed and optimised a high-performance Content Delivery Network (CDN) on AWS, leveraging CloudFront, Lambda@Edge, and Python. Achieved a throughput of over 10,000 images per second, concurrently reducing content delivery costs by 96%.
- Architectured an efficient Python multithreaded script to migrate 100+ AWS RDS databases, each containing 120+ tables, to lower provisioned instances, achieving successful completion within a 12-hour time frame.
- Implemented a resilient timezone management system for the organisation's REST APIs using Node Js, ensuring smooth communication with clients across various time zones and contributing to the expansion of the company's client base by 12%.
- Achieved a substantial 65% reduction in monthly AWS expenses by implementing cost-saving measures and optimising AWS services.
- Optimised production archival script, achieving a notable 94% reduction in in-memory consumption. Enhanced system performance and resource utilisation.
- Revamped report generation service to produce UI-rich PDFs, delivering comprehensive insights that contributed to a 30% increase in customer success.

Zunpulse – Gurgaon, India

Software Development Engineer 1 *Aug 2022 - Feb 2023*
- Developed an interactive voice response system using NodeJS, ExpressJS, MongoDB, and MySQL, helping improve customer satisfaction by 43 per cent.
- Incorporated the smart-home skill Google Assistant for voice-controlling Zunpulse devices, thereby increasing product sales by 30 per cent.
- Implemented a webhook queue system for Google Assistant/Amazon Alexa state change reporting using Redis, RabbitMQ and Docker.
- Built the back-end of the Zunpulse app and integrated APIs to integrate 10+ products in the app using NodeJS, ExpressJS, Firebase and Google Cloud Platform(GCP).
- Orchestrated a device state reporting dashboard for IoT back-end, utilising Python, Flask, and MySQL, to a 40% reduction in downtime and improved customer satisfaction.

PROJECTS

SocioGeeks
https://github.com/vermaayush680/SocioGeeks
Software Development *Sep 2022–Oct 2022*
- Designed the back end of a social media app for geeks using NodeJs, ExpressJs, and MongoDB.
- Implemented Authentication and Authorisation using JWT (JSON Web Token).
- Integrated REST APIs with the React front-end, helping increase traffic on the website by 20%.

SKILLS AND OTHERS

Skills: NodeJS, ExpressJs, Python, Django, HTML5, CSS3, Data Structures, Algorithms, Git, Github, Object-Oriented Programming, SQL, MySQL, Deployment, Distributed Systems, REST APIs, Docker, Redis, MongoDB, Flask, Firebase, AWS, S3, EC2, CloudFront, CloudWatch, RDS, SQS, SES.
Languages: English (Fluent), Hindi (Native)