NISHAD GUPTA

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EDUCATION

Indiana University   Bloomington, Indiana
Master of Science in Computer Science | GPA: 4/4   August 2022 – May 2024
Relevant Courses: Applied Algorithms, Software Engineering, Elements of Artificial Intelligence, Applied Database Technologies, Machine Learning, Data Mining, Computer Networks.

Thapar Institute of Engineering and Technology   Punjab, India
Bachelor of Engineering in Computer Engineering | GPA: 8.78/10   August 2016 - May 2020
Relevant Courses: Data Structures and Algorithms, Machine Learning, Deep Learning, Database Management System.

SKILLS

Languages: Python, Java, C++, SQL, R, JavaScript, HTML, CSS.
Web Technologies: Kubernetes, Helm, Splunk, ReactJS, NodeJS, Django, AngularJS, Spring Boot.
AWS Services: Amazon EC2, AWS Lambda, Amazon Relational Database Service, Amazon API Gateway, Amazon SNS, Amazon Simple Email Service, Amazon SQS, AWS CloudFormation, Amazon Aurora, AWS Step Functions.
Databases: PostgreSQL, DynamoDB, MySQL, MongoDB, Neo4j.
Tools: Git, Visual Studio, Postman, Anaconda, Jupyter, Eclipse, Netbeans.
Other Technologies: Openshift, Azure, Jenkins, Docker, SonarCloud, Maven, Swagger UI, Artifactory, Splunk, Bitbucket, Kubernetes, Helm, Terraform, QuarkusDev, Swagger, GitHub Actions, Windows.

EXPERIENCE

AGCO Corporation   Hesston, Kansas, USA
Software Developer Intern| Python, Amazon Web Services, GitHub, Swagger UI, Postman   May 2023 – Present
- Collaborated on the Internet of Things (IoT) management development team, specializing in Amazon Web Services technologies, overseeing and managing over 4 secure applications.
- Implemented AWS cloud-based services, including AWS Lambda, AWS CloudFormation, Amazon Aurora, and AWS Step Functions, to architect, develop, and deploy more than 10 Lambdas, 2 AuroraDB instances, and multiple step function workflows.
- Spearheaded comprehensive support to third-party vendors, ensuring seamless execution of over 200 hardware device activations and deactivations by implementing innovative serverless services.
- Optimized and upgraded 2+ applications, with a focus on scalability, reliability, and continuous operation.

Amadeus   Bengaluru, India
Senior Software Developer Engineer | Java, Openshift, Kubernetes, Helm, Swagger, QuarkusDev, Splunk   August 2020 – July 2022
- Led the Tooling Quality Team of 5 members, creating more than 3+ automated tools for multiple Quality Assurance Scrum teams, reducing their manual effort by 80%.
- Created and deployed multiple dashboards using Splunk and HTML, slashing time to read error reports by 10x.
- Orchestrated the development and production of more than 5 cloud applications.
- Engineered approaches to processing data from a custom REST API and automatically pushing data to the database, resulting in a 30% increase in processing speed.
- Corresponded with a team of 20 engineers to set up and monitor multiple CI/CD Jenkins pipelines, provided assistance in pushing infrastructure to production.
- Played a vital role in significantly reducing the availability error rate to 0% during the cloud migration of a major test mocking tool to Openshift.
- Liaised with multiple engineering and product teams across the globe.

Amadeus   Bengaluru, India
Software Research and Development Intern | Python, REST APIs, Flask, VueJs, Putty   January 2020 – May 2020
- Developed an automated mocking tool utilized by 8 internal teams to effectively simulate API calls for the user to a proxy server, rather than the actual service.
- Formulated automation scripts to optimize mocking applications, fixed bugs, and reduced manual tasks in 50+ applications for 60+ employees.

PROJECTS

Nobel NBA Fantasy League using Engineered Team Chemistry | Python, Flask, REST APIs, Azure   March 2023 - May 2023
- Constructed a predictive model with an accuracy rate of 86% for forecasting playoff qualification, using a methodical strategy centered on team chemistry and analysis of player statistics.