

Shikhar Gupta

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TECHNICAL SKILLS

Certification	AWS Solutions Architect, Cloud Practitioner, Azure Databricks
Languages & Libraries	Python, Golang, Java, JavaScript, D3.js, NodeJS, ReactJS, Django, Flask, FastAPI, Bootstrap
Tools and Technologies	Ansible, Chef, Docker, Git, Helm, Kubernetes, Jenkins, Jira, Kafka, Tableau, Terraform
Databases & OS	PostgreSQL, MongoDB, Neo4j, Redis, InfluxDB, Linux, MacOS, Windows
Cloud Services	AWS Fargate, ECS, Aurora, RDS, VPC, IAM, Cognito, SageMaker, Athena, Glue, CloudFormation

EXPERIENCE

Arizona State University 10 Months	08/2023 – Present
Front End Engineer Next.js, Typescript, Leaflet, TailwindCSS	Tempe, AZ
<ul style="list-style-type: none">Leading the development of a dashboard featuring a GIS-based mapping and analytics tool, facilitating a 360-degree view of the community, empowering users to build resilience, and utilizing actionable insights.	
Hewlett Packard Enterprise (Aruba Networks) 3 Years	01/2019 – 07/2022
Senior Software Engineer Python, React.js, PostgreSQL, Jenkins, Grafana, Microsoft Azure	Bangalore, India
<ul style="list-style-type: none">Led the development of a cross-platform testing solution using Python for a network security compliance tool, improving end-to-end testing efficiency and reducing resource requirements by 80%.Engineered an innovative Golang-based solution for deploying virtual machines across ESXi, Hyper-V, KVM, AWS, and Azure, resulting in a 60% efficiency boost and streamlined process.Crafted a comprehensive solution using Python to detect vulnerabilities across product code databases, ensuring robustness in software development practices resulting in a 15% reduction in potential security risks.Contributed to the development of a multi-threaded RESTApi Load Testing tool utilizing Jmeter, leading to a 10% improvement in product performance.Revamped monitoring and logging for a microservice-based architecture with Logstash, Kibana, Filebeat, Grafana, and InfluxDB, boosting performance visibility and cutting troubleshooting time by 50%.Developed a Python-based automated UI testing solution using OpenCV, resulting in a 50% reduction in QA workload.	

EDUCATION

Master of Science in Computer Science	08/2022 – 05/2024
Arizona State University Tempe, AZ, USA	GPA: 4.0/4.0
Courses - Cloud Computing, Data Visualization, Data Processing at Scale, Data Mining	
Bachelor of Technology in Computer Science	08/2015 – 05/2019
PES University Bangalore, KA, India	GPA: 3.7/4.0
Courses - Web Development, Data Structures & Algorithms, Object-Oriented Programming	

PROJECTS

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EXTRACURRICULAR

- As a Teaching Aide, provided online tutoring for students enrolled in a Java course at Arizona State University.
- Received the **Excellence Award at Aruba**, showcasing expertise and exceptional contributions in the field.
- Secured the **2nd position** out of 100 teams in an Auction contest at IISC's Tech-fest Pravega 2016
- As a member of the IET Student Chapter at PESU, organized trainings, workshops, and hackathons for fellow students.