

NABIHA RAZA

nabiha.raza30@gmail.com | linkedin.com/in/nabiha-raza | +1 646-916-5645

SUMMARY Cloud Developer Specialist with 8+ years of experience in designing, developing, and deploying scalable cloud-native applications. Expertise in Python, Java, and distributed computing with hands-on experience in AWS, Kubernetes, and DevOps automation. Proven ability to architect robust microservices, optimize API-driven architectures, and work with distributed caching, CI/CD pipelines, and messaging systems.

EDUCATION

University of California, Berkely, CA, USA

Executive Education: Professional Certificate in Machine Learning and Artificial Intelligence

Oct 24 - May 25

Rochester Institute of Technology, Rochester, NY, USA

M.S., Computer Science

Aug 18 – Dec 20

National University of Science & Technology, Islamabad, Pakistan

B.E., Software Engineering

Sept 11- June 15

CERTIFICATION:

- [AWS Certified Developer – Associate](#)

TECHNICAL SKILLS:

- **Backend:** Python, Java, C/C++ JavaScript, SQL, C#, Shell Scripting, MongoDB
- **Front-End:** React, TypeScript, JavaScript, HTML5, CSS3, Bootstrap
- **APIs & Microservices:** RESTful APIs, API Gateway, Swagger, OpenAPI, Postman
- **Databases & Caching:** PostgreSQL, MySQL, MongoDB, Cassandra, DynamoDB, Redis
- **DevOps & Cloud:** AWS (EKS, Lambda, S3, EC2, API Gateway), Docker, Kubernetes, Terraform, CI/CD (Jenkins/AWS Code Pipelines)
- **Messaging & Distributed Systems:** Kafka, RabbitMQ
- **Agile & Development Tools:** Git, Maven, Eclipse, Jira, Agile/Scrum
- **Monitoring Tools:** Cloud Watch, Kibana, Grafana, Prometheus

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise – Aruba Networks (Software Cloud Engineer III)

Jan 21- Present

- Architected and developed scalable cloud networking applications for our NaaS (Network as a Service) Customers using Python (Django/Flask) and multiple microservices to plan, code, deploy and monitor the applications.
- Integrated Kafka-based event-driven messaging to handle high-throughput network event processing with distributed caching solutions using Redis to optimize application performance.
- Implemented CI/CD pipelines and containerized deployments using Kubernetes, Docker, and Terraform for seamless cloud application scaling.
- Collaborated with product management, QA, and remote teams to deliver high-quality cloud solutions in an Agile development environment.
- Acted as a mentor for junior team members, fostering knowledge sharing and upskilling across the team.

Hewlett Packard Enterprise – Aruba Networks

(Software Developer Engineer Intern)

May 20 - Aug 20 & May 19- Dec 19

- Built cloud-native Python Flask application for team's workflow which handles deployment and testing of Aruba Products on AWS. The application dropped operational effort by approx. ~40%/
- Designed and implemented networking applications using Apache Spark as an ETL tool with AWS S3 storage. Optimized NaaS applications by integrating distributed computing frameworks and improving fault tolerance with active monitoring tools like Grafana, Kibana and Cloud Watch

CRI Group: Corporate Research & Investigations Private Limited, Pakistan

(Full Stack Web Developer)

Dec 15 – July 18

- Developed enterprise full-stack applications using Python, Django, and Angular.
- Implemented NLP-based security vulnerability scanning and automated code analysis

Telenor Global Shared Services, Pakistan (Solution Expert Integrations)

Nov 14 – Dec 15

- Developed multiple applications on Java and deployed on Amazon Web Services EC2.
- Worked on shell scripts and python scripts to automate monitoring and deployments.
- Built ARIA compliant customer facing front-end applications on Angular 2 and interfaced using REST

PUBLICATION:

- [X-Cipher: Achieving Data Resiliency in Homomorphic Ciphertexts](https://eprint.iacr.org/2023/120) (<https://eprint.iacr.org/2023/120>)