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Summary

AWS Certified Software & Cloud Engineer experienced in full-stack development, infrastructure automation, and production deployments. Skilled in building applications with Python, Java, and React, and deploying scalable systems on AWS using Terraform, Docker, and Kubernetes. Strong foundation in DevOps practices, CI/CD, and performance optimization.

Education

Stevens Institute of Technology

Master of Science in Computer Science

Sep 2024 – Dec 2025

Hoboken, New Jersey

PES University

Bachelor of Technology in Electronics and Communications

Dec 2020 – May 2024

Bangalore, India

Certifications

Enterprise & Cloud Computing Graduate Certificate Program | *Stevens Institute of Technology*

Dec 2025

AWS Certified Solution Architect - Associate | *Amazon Web Services*

May 2025

Experience

Stevens Institute of Technology | *Hoboken, New Jersey*

Sep 2025 – Present

Teaching Assistant (Enterprise and Cloud Computing)

- Assisted 40+ students with projects using BouncyCastle, Payara Micro, and Maven for Java and Android applications
- Guided teams in deploying gRPC-based client-server applications on AWS using Docker with secure configurations
- Conducted weekly 2-hour office hours, providing technical mentorship and troubleshooting support

SellWizr | *Manhattan, New York*

June 2025 – Aug 2025

Software Engineering Intern

- Built Terraform modules to automate deployment of a 3-tier application, cutting deployment time to under 10 minutes
- Designed a Kafka - S3 logging system to stream 100K+ user journeys/day to S3 for feedback system training
- Created multiple data scrapers to feed raw data into an S3 data lake via AWS SQS, processing up to 10TB per day

Antwalk | *Bangalore, India*

Dec 2023 – July 2024

Research and Development Intern

- Created competency frameworks for QA, DevOps, Cloud, and SDE roles, for internal training and client onboarding
- Reviewed and validated cloud and DevOps content with client teams as an SME, ensuring practical applicability
- Developed prototypes of LLM-based applications using OpenAI API for 10+ competency assessment, for 5 clients

Projects

Cross Platform Model Development and Deployment Pipeline | *Jenkins, Terraform, Ansible*

Jan 2025

- Automated end-to-end instance setup with Ansible playbooks (Jupyter, CUDA) in under 5 minutes, on multi-OS
- Integrated Terraform with Jenkins to deliver a scalable, fault-tolerant model deployment pipeline with dashboard access
- Optimized Dockerized Flask endpoints, reducing deployment cost by 50% while improving operational efficiency

Mobile Chat Application | *Java, Android Studio*

Aug 2024

- Built an Android chat app supporting multi-protocol communication (TCP, UDP, gRPC) with dynamic UI features
- Deployed an AWS-based scalable server mediator, validated with 10+ clients and extensible for larger workloads
- Enhanced performance with lazy loading and efficient view updates, improving user responsiveness by 30%

Technical Skills

Cloud & DevOps: AWS, Terraform, Kubernetes, Docker, Linux, Jenkins CI/CD, Ansible, Prometheus, Grafana, Azure

Languages and Frameworks: Python, Java, SQL, Spring Boot, ASP.NET, React, JavaScript, C

Machine Learning & Big Data: PyTorch, Neural Networking, Data Analysis, Hadoop, Kafka

Publications

ML-DaaS: A Secure Integrated ML Training and Deployment Framework for Cloud

Nov 2025

IEEE CS Cloud Conference 2025, New York, USA

Throughput Prediction of Densely Deployed WLAN Using Graph Attention Networks

July 2024

12th International Conference on Information Technology and Science (ICITS 2024), Phuket, Thailand