NAVEEN VARMA PANDETI

Software Developer | Python | AWS | SDET

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PROFESSIONAL SUMMARY

Experienced Software Developer with 4+ years of expertise in building scalable backend systems, cloud-native applications, and AI-driven automation solutions. Proven track record in Python development, AWS cloud infrastructure, and end-to-end test automation. Passionate about designing reliable systems that meet real-world business needs and solving complex technical challenges.

PROFESSIONAL EXPERIENCE

Software Development Engineer in Test (SDET) | Comcast | August 2025 - Present

Philadelphia, PA

• Developing full-stack solutions combining backend development and comprehensive testing strategies

• Building AI Automation tools that reduce manual effort and organizational costs

Software Engineer | Charles Schwab | July 2024 - July 2025

Irving, Texas

• Engineered scalable backend services using Python and FastAPI

• Refactored legacy Java services into modular Python microservices with Docker and Kubernetes

Software Engineer | Accenture | January 2021 - November 2022

Bengaluru, India

• Led development of cloud-native APIs using Python and Flask for banking systems

• Designed microservices architecture with PostgreSQL, Elasticsearch, and Pytest

KEY PROJECTS

Access Networks - E2E API Automation Framework

Python, Robot Framework, Bruno, Jenkins, GitHub Actions

Architected API testing automation with auto-generated test cases, CI/CD integration, 80% manual testing reduction

Real-time Customer Usage Pipeline - AWS

AWS Step Functions, Lambda, S3, SNS, SQS, Kinesis

Real-time data processing pipeline with automated validation and device performance monitoring

Sentiment Analysis of Yelp - Data Engineering

AWS S3, EMR, Glue, Athena, Redshift, Spark

Transformed 9GB+ JSON data into 15 normalized tables, analytics-ready warehouse

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript
Backend: Django, Flask, FastAPI, Spring Boot, Node.js

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
Cloud: AWS (EC2, Lambda, S3, RDS, ECS, Kinesis, SNS, SQS), Docker, Kubernetes
Testing: TDD, BDD, Unit Testing, E2E Testing, Robot Framework, Selenium, Pytest
DevOps: Jenkins, Git, GitHub, Terraform, Ansible
Tools: IntelliJ IDEA, VS Code, Linux/Unix, CloudWatch, Grafana, ELK