

SUMMARY

Software Development Engineer with 3+ years of experience designing, developing, and deploying scalable Python-based applications, APIs, and data processing systems across enterprise IT and analytics domains. Proficient in FastAPI, Django REST Framework, PostgreSQL, AWS, Docker, Kubernetes, and Elasticsearch, with proven expertise in building high-performance microservices, optimizing backend workflows, and implementing secure, compliant solutions. Adept at integrating machine learning models for predictive analytics, automating ETL pipelines using Airflow, and enhancing application performance through caching and asynchronous processing.

SKILLS

Methodologies: Agile, Scrum, Kanban, SDLC
Languages: Python, JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL
AI/ML Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy
Frontend Frameworks: React.js, Angular, Vue.js, Redux, Bootstrap, Tailwind CSS
Backend & Databases: Node.js, Django, Flask, FastAPI, MongoDB, PostgreSQL, MySQL
Cloud & DevOps: AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, CI/CD, Git
Tools & Methodologies: RESTful APIs, GraphQL, Agile/Scrum, Jira, Unit Testing (Jest, pytest)
Other: Data Visualization (Matplotlib, Seaborn), NLP, Computer Vision, GitHub Actions
Operating Systems: Windows, Linux

EDUCATION

Master of Science in Computer Science The University of Texas at Arlington	May 2025
Bachelor of Engineering in Telecommunication Engineering K.S. Institute of Technology	July 2021

EXPERIENCE

ServiceNow, TX Software Development Engineer	Nov 2024 – Current
<ul style="list-style-type: none">Engineered scalable microservices in Python (FastAPI) for enterprise IT workflows, integrating PostgreSQL and AWS Lambda to reduce API response latency by 30%.Developed automated log analytics pipeline using Python, Elasticsearch, and AWS S3, enabling real-time anomaly detection and proactive incident resolution.Implemented role-based access control (RBAC) and secure API authentication via OAuth2/JWT to strengthen system security compliance with SOC 2 standards.Optimized backend data processing by introducing async I/O in FastAPI services, improving throughput for high-concurrency requests by 40%.Built unit and integration test suites with pytest and integrated them into Jenkins CI/CD pipelines, reducing production defects by 25%.Collaborated with cross-functional teams to migrate legacy monolithic Python apps to containerized Docker + Kubernetes microservices, improving deployment agility and maintainability.	
Virtual Infotech Solution, India Software Developer	May 2021 - July 2023
<ul style="list-style-type: none">Designed and developed RESTful APIs using Django REST Framework for a Customer Intelligence Platform, enabling seamless integration with CRM and analytics tools.Built and deployed data ingestion pipelines in Python using Pandas & SQL Alchemy to process millions of customer transaction records daily with 99.9% accuracy.Implemented machine learning models (Scikit-learn) for customer churn prediction, improving retention campaign targeting efficiency by 18%.Developed ETL workflows with Apache Airflow to automate data collection, transformation, and reporting, reducing manual processing time by 70%.Integrated Redis caching for frequently accessed queries, cutting average API response time from 1.2s to 400ms.Deployed containerized applications using Docker and orchestrated with GCP Kubernetes Engine, ensuring 99.95% uptime for production services.Led code refactoring initiatives to optimize legacy Python scripts, reducing technical debt and improving maintainability scores by 35%.	
Virtual Infotech Solution, India Junior Software Developer	Jun 2020 - April 2021
<ul style="list-style-type: none">Assisted in developing Python-based backend modules for an internal business process automation tool, integrating MySQL for secure data storage and retrieval.Contributed to REST API development using Flask, enabling seamless data exchange between frontend dashboards and backend services.Wrote Python scripts for data validation and transformation, improving input data quality and reducing processing errors.Supported deployment of applications on Docker containers, collaborating with senior engineers to streamline testing and release workflows.Participated in code reviews, debugging, and unit testing using pytest, enhancing application stability and maintainability.	