John Doe

City, State | +1 (000) 000-0000 | example@email.com | linkedin.com/in/username | github.com/username

Education

Example University *City, State*

M.S. in Computer Science, GPA: 3.67/4.00 Aug 2024 – May 2026

- Relevant Coursework: Software Engineering, Cyber Forensics, Advanced Database Management Systems, Software Validation, Data Structures & Algorithms, Cloud Computing, DevOps Principles, Agile Development

Publications

Research Paper

Doe, J., Smith, A. K., & Doe, J. (September 2025)

Technical Skills

- **Programming Languages:** Python, C++, JavaScript, Swift, SQL
- **Frameworks & Platforms:** Spring Boot, Node.js, React, Next.js, Vue.js, REST & GraphQL APIs, gRPC
- **Cloud & DevOps:** AWS (EC2, S3, EKS), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, CI/CD
- **Databases & Tools:** PostgreSQL, MongoDB, Redis, Kafka, Linux, Prometheus, Grafana, Postman, Git, JIRA
- **Artificial Intelligence & Security:** Machine Learning, Natural Language Processing, Generative AI, DevSecOps, Application Security, Authentication & Authorization, Cryptography, Malware Analysis

Experience

Machine Learning Engineer Intern *Tech Innovations Inc., Remote*

Tech Innovations Inc. Jun 2024 – Present

- Designed and trained scalable ML models for anomaly detection in system telemetry data using Python, PyTorch, and Scikit-learn, achieving **95% detection accuracy**.
- Built a modular ETL pipeline that processed over 10M daily data points from multiple cloud sources, reducing preprocessing latency by **40%**.
- Deployed trained models using Docker and FastAPI with CI/CD pipelines, ensuring smooth rollouts and automated testing via GitHub Actions.

Software Developer Intern *NextGen Systems, City, Country*

NextGen Systems Jan 2023 – May 2024

- Developed high-performance backend APIs using Spring Boot and Node.js to support user management, payments, and analytics modules for enterprise clients.
- Migrated legacy services to a containerized microservice architecture on AWS ECS, reducing infrastructure costs by **25%**.
- Implemented observability with Prometheus and Grafana dashboards to monitor resource usage, improving system reliability and response times.

Projects

Cloud-Based Task Automation Platform

Tech Stack: AWS Lambda, Node.js, React, PostgreSQL, Docker, Terraform

- Built a serverless platform that automates recurring workflows and job executions, supporting custom scheduling and notifications.
- Used AWS Lambda and Dockerized microservices for distributed processing, achieving a **50% reduction in execution time**.
- Integrated Terraform for infrastructure-as-code deployments, enabling reproducible and version-controlled environments.

Intelligent Document Summarization App

Tech Stack: FastAPI, React, OpenAI API, Redis, Docker, Python

- Developed a full-stack AI application that extracts and summarizes insights from PDFs and web pages using transformer-based LLM APIs.
- Implemented caching with Redis and asynchronous task queues to optimize latency and throughput, supporting up to 1,000 concurrent users.
- Containerized services and deployed on AWS ECS using CI/CD pipelines for seamless updates and monitoring.