




Jay D Patel

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PROFESSIONAL SUMMARY

Full-Stack Software Developer with 4+ years of experience delivering end-to-end applications across the full Software Development Life Cycle (SDLC). Skilled in backend development using [Python](#), [Java](#) and [Node](#) as well as frontend development with [React](#), [Angular](#) and [TypeScript](#). Proficient in building scalable, secure, and cloud-native solutions. Experienced in DevOps practices including [CI/CD](#), [Docker](#), [Kubernetes](#), [Jenkins](#), [Terraform](#), Ansible, and monitoring with Prometheus, Grafana, and CloudWatch. Adept in system design and message queuing like Kafka, Strong focus on performance optimization, security, and Agile collaboration.

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, GO, Django, [TypeScript](#), JavaScript, Node.js, React, Nest.js, shell script

Web & API Development: [RESTful APIs](#), gRPC, WebSockets, NGINX/Ingress, API Optimization

DevOps & Cloud: AWS (EC2, S3, IAM, VPC), Docker, [Kubernetes](#) (EKS), [Terraform](#)/Iac, Ansible, Jenkins, GitHub

Actions, Argo CD, Prometheus, Grafana, AWS CloudWatch

Messaging & Streaming: RabbitMQ, Apache [Kafka](#), AWS SQS & SNS

Security & Compliance: JWT, OAuth2, HTTPS/TLS, RBAC, SonarQube, SOAP, Networking Best Practices

Databases & Caching: MySQL, PostgreSQL, SQLite, MongoDB, DynamoDB, Redis, CDN

Data Analytics & ML: Pandas, NumPy, Scikit-learn, Machine Learning, LLM integration

Version Control & Collaboration: Git, GitHub, GitLab, Jira, Confluence, Agile/Scrum

PROFESSIONAL EXPERIENCE

Google — Software Developer

Apr 2024 – May 2025

- Led full SDLC for full-stack applications using Django, Flask, FastAPI, React, and [TypeScript](#) for **3500+ team**.
- Built and maintained scalable [Python](#) & [Node.js](#) backend services, implementing secure APIs and optimizing database queries.
- Collaborated with product owners and QA teams to gather requirements and implement [Agile](#) development cycles.
- Designed microservices architecture and managed [Kubernetes](#) (AWS EKS) clusters, maintaining **99.9%** uptime and scaling to handle 3x traffic growth.
- Automated infrastructure provisioning with [Terraform](#) and Ansible, reducing manual setup time by **70%**.
- Built [CI/CD](#) pipelines with [GitHub Actions](#) and Argo CD, enabling multiple daily releases and reducing deployment time from hours to minutes.
- Secured applications using JWT, OAuth2, HTTPS/TLS, RBAC, parameterized queries, and [networking](#) best practices.
- Monitored system performance and incidents using Prometheus, Grafana, and [CloudWatch](#).

Applied Informatics — DevOps Software Developer

May 2022 – Apr 2024

- Developed full-stack applications with Django, FastAPI, React, and [Node.js](#) (Express.js), supporting **20,000+** daily users, covering full SDLC stages.
- Built multiple [python](#), [Java](#) and [node.js](#) backend Restful APIs and optimized them for scalability and security.
- Migrated monolithic applications to microservices using [Docker](#) and [Kubernetes](#), increasing deployment efficiency by **50%**.
- Integrated RabbitMQ and [Kafka](#) for asynchronous processing, improving throughput by **35%**.
- Implemented zero-downtime deployment strategies, including canary and [blue-green](#) deployments.
- Automated [Linux](#) server management via shell scripting, reducing manual effort by **60%**.
- Ensured application [security](#) through JWT, OAuth2, HTTPS/TLS, and parameterized database queries.

EbizzInfotech — Junior Software Developer

Sep 2020 – Jul 2021

- Developed Python applications with Django and Flask; implemented Node Express JS and Nest JS APIs for backend services, following full SDLC principles.
- Designed and maintained Django backend services for game and e-commerce applications.
- Containerized applications with [Docker](#) and deployed with [Kubernetes](#).
- Built [Kafka](#) producers to enable reliable event-driven processing in checkout and cart services.
- Optimized backend processes and database queries to improve application performance.

EDUCATION

New Jersey Institute of Technology — Master of Science in Information and Computer Science

Sep 2021 – May 2023