

# DAKSH PRUTHI

+1 (201) 284-8928 | dakshpruthicareers@gmail.com | Jersey City, NJ, USA | linkedin.com/in/dakshpruthi/ |

github.com/dakshpruthi099 | www.dakshpruthi.com/

## EDUCATION

### Stevens Institute of Technology

Master's, Computer Science

September 2022 - May 2024

GPA: 3.63

- Courses: Database Management, Java, Operating Systems, Data Structures and Algorithms, Cloud Computing

### Bharati Vidyapeeth University

Bachelor's, Computer Engineering

July 2015 - June 2019

GPA: 7.72

## PROFESSIONAL EXPERIENCE

### Sprowt

Software Development Engineer

September 2024 - Present

- Collaborated with a team of 5 engineers to architect a Java Spring Boot microservices ecosystem for a workforce management platform, handling 1M+ daily events with Kafka for event streaming and achieving 99.99% uptime.
- Engineered a multi-threaded recommendation engine to optimize employee scheduling, leveraging Java 17, Spring Boot, and MongoDB, reducing response times by 60% and improving real-time user interactions.
- Pioneered IaC strategies using AWS CDK, automating deployment pipeline to AWS ECS, Lambda, and RDS with zero downtime.
- Integrated Redis caching to reduce query latency by 40%, speeding up analytics and decision-making for managers.

### Bespoke Digital Media

Software Developer

April 2021 - July 2022

- Led a team of 2 developers to configure a Spring Boot-based CMS for media agencies, serving 50K+ users with Redis caching and database optimizations, achieving 30ms API response times and 99.9% uptime.
- Implemented authentication with RBAC and OAuth2.0 in Spring Security, ensuring enterprise-level security standards.
- Applied ACID-compliant transaction handling in PostgreSQL, ensuring data integrity for reliable content publishing.
- Engineered a real-time WebSocket analytics dashboard using Spring Boot and Redis Pub/Sub, processing 100K+ events per minute with minimal latency for client campaign tracking.

### FIS Global

Senior Analyst

July 2019 - March 2021

- Enhanced a payment gateway with Java Spring Boot, supporting \$10M+ daily transactions with Kafka-based event processing for fault-tolerant, low-latency services.
- Led migration to microservices architecture, addressing scalability issues and boosting system performance by 70%.
- Reduced transaction latency by 35% by optimizing Redis caching and SQL queries, addressing peak-hour bottlenecks.
- Achieved 90% test coverage for core modules using JUnit, Mockito, and REST-Assured for comprehensive API testing.
- Spearheaded the use of Jenkins and Docker for automating CI/CD pipelines, improving release cycle efficiency by 20%.

## PROJECTS

### Event-Driven Payment Gateway

- Engineered a Java Spring Boot-based payment gateway using Kafka for real-time event-driven processing, reducing transaction failures by 30% and ensuring 99.99% system reliability.
- Secured payment transactions by integrating OAuth2.0 and JWT for token-based authentication.
- Resolved database bottlenecks implementing indexing and sharding, reducing load times by 40% for high volume transactions.

### E-commerce Microservices Platform

- Architected a scalable microservices platform for an online retailer, leveraging Java, Spring Boot, Docker, and Kubernetes, reducing average cart abandonment rates by 25% by implementing personalized recommendations using Redis and Kafka.
- Resolved peak sale period performance issues by auto-scaling Kubernetes pods, ensuring <1s response for 10K+ users.
- Integrated real-time payment tracking and fraud detection algorithms using Spring Security and JWT, preventing fraudulent transactions worth \$50K+ monthly.

## SKILLS

- Programming Languages:** Java, JavaScript, TypeScript, Python, HTML/CSS, SQL, NoSQL, Bash
- Databases:** MySQL, PostgreSQL, MongoDB, Cassandra, Redis
- Frameworks:** Spring Boot, Hibernate, React.js, Node.js, Next.js, Flask, Django, FastAPI
- Cloud:** AWS, EC2, S3, Lambda, RDS, DynamoDB, API Gateway
- Technologies / Tools:** Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, OpenAI API, OAuth, REST APIs