

# PRIYANK PATEL

Seattle, Washington 98087  
3234704288  
priyank1993pp@gmail.com

## PROFESSIONAL SUMMARY

Senior Software Engineer specializing in distributed backend systems, cloud infrastructure, and shared AI tooling, with expertise in Kotlin, Java, gRPC, and AWS/GCP. Led delivery of services sustaining 100K+ requests per second with 99.99% uptime. Designed MCP tool-registration capabilities for an AI framework adopted across the organization and implemented AI-assisted incident workflows that reduced MTTR by 70%.

## SKILLS

**Languages:** Kotlin, Java, TypeScript, Python, SQL

**Frameworks/Libraries:** Spring Boot, Micronaut, React, Node.js, Express, gRPC

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, CloudWatch, ECS), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions

**Databases:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis

**Architecture & Patterns:** Microservices, Event-driven Architecture, Domain-Driven Design (DDD), REST, gRPC, Pub/Sub

**Testing & QA:** JUnit, TestNG, Mockito, WireMock, Postman, Pact, Selenium

**Tools & Platforms:** Git, Gradle, Maven, Jira, Confluence, IntelliJ IDEA, VS Code, Cursor, Claude Code

**Monitoring & Observability:** Prometheus, Grafana, ELK Stack, New Relic, Datadog

**CI/CD & Automation:** Jenkins, GitHub Actions, ArgoCD, Helm, CircleCI

**Applied AI:** Model Context Protocol (MCP), agent integration, LLM, RAG

**Other:** API Gateway, Kafka, RabbitMQ, OpenAPI/Swagger, Feature Flagging

## WORK EXPERIENCE

### WARNER BROS. DISCOVERY

Seattle, USA

#### Senior Software Engineer

10/2019 to Current

- Led the design and delivery of customer-facing services using Java/Kotlin, Spring Boot, REST/gRPC, PostgreSQL, and AWS/GCP, targeting 99.99% availability and handling peak traffic of 100K+ requests/second in a single service.
- Led design of a Model Context Protocol (MCP) tool-registration platform that lets services expose capabilities to AI agents through one configuration change, without custom MCP protocol code.
- Built navigation and content-browsing components in React and React Native for web, mobile, and connected TV (CTV), covering deep links, content grids, category sliders, dynamic backgrounds, and progress bars.
- Architected HBO Max's content campaign system for rule-based targeting and personalized promotions across regions and user segments; implemented GCP Pub/Sub workflows for asynchronous campaign execution and query events.
- Designed and developed an A/B testing framework that assigned users to experiment treatments, delivered corresponding feature variants, and tracked user metrics to evaluate feature impact and guide user experience improvements.
- Reduced incident response time by 70% by introducing AI-assisted workflows that summarize alerts and logs, suggest likely causes, and guide engineers to relevant logs.
- Built an Elasticsearch-backend for content metadata service with advanced search and filtering, reducing query latency by 30%.
- Designed AWS and GCP infrastructure using Terraform and Kubernetes (EKS/GKE), with Grafana dashboards for incident monitoring and response.
- Reduced infrastructure costs by 23% by leading the retirement of unused non production services and cloud resources after validating dependencies with service owners.
- Guided architectural decisions and mentored junior and mid-level engineers through code reviews and technical coaching.

### SONY PICTURES ENTERTAINMENT

Los Angeles, USA

#### Software Developer

11/2017 to 09/2019

- Built full-stack applications with Vue.js, Node.js, Java/J2EE, and Spring MVC to support millions of media assets worldwide.
- Built a Gatling framework to load-test backend services against expected traffic, uncovering performance bottlenecks and scaling issues before release.
- Integrated screenshot-based visual regression and functional UI tests into GitHub CI/CD workflows, reporting failures and blocking pull-request merges until checks passed.
- Eliminated 20+ hours of weekly manual QA and cut regression testing time by 50% with Selenium/Cucumber automation frameworks.
- Implemented algorithms to identify and maintain web element locators for automated testing of Citrix-based Windows applications.

### ICLERISY PVT. LTD.

Gujarat, India

#### Software Developer

06/2014 to 07/2015

- Designed and delivered SaaS-based e-commerce solutions using Java, Spring MVC, Hibernate, Node.js, AngularJS, and NoSQL databases, tailored to diverse client requirements.
- Delivered end-to-end software across the full SDLC; applied TDD with JUnit and TestNG, and managed code with Git/SVN.

### INNOVENTA TECHNOCRATS PVT. LTD.

Gujarat, India

#### Software Developer Intern

05/2012 to 01/2014

- SocioBuzz Web Application: - Developed e-commerce web application using J2EE, Spring MVC, Hibernate, NoSQL, NodeJs, AngularJS, Bootstrap. Integrate Facebook API for product like, comment and share. Used Pay API for payment
- Swarm Robot and Communication Server: - Developed Core Java application which provides functionalities to robots like approaching start point to destination with scanning different radioactive elements and communicating with different robots. Implemented A
- Search algorithm for finding path and REST API server to communicate with other robots
- Chat Application using Multi-threading:- Developed chat server using Java and multi-threading which provide multiple connections and broadcast to one specific receiver

## EDUCATION

#### MASTER: COMPUTER SCIENCE

California State University, Los Angeles

GPA: 3.37

08/2017

#### BACHELOR: COMPUTER ENGINEERING

Gujarat Technological University, India

GPA: 3.50

06/2014