

# PRABAL SAXENA

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## PROFILE SUMMARY

I am a highly motivated & results-driven **Software Developer** with a focus on modernizing and scaling high-throughput enterprise systems. Will bring expertise in **Java 17, Spring Boot, Microservices, and Google Cloud Platform (GCP)**. Proven ability to design and implement robust CI/CD pipelines (**GitHub Actions, GKE, Helm**) that delivered **zero-downtime deployments** and **reduced deployment time by up to 80% compared to legacy system**. Seeking challenging roles in distributed systems and cloud solution development.

## TECHNICAL SKILLS

**Backend & Frontend Programming Languages:** Core Java 17, C#, HTML, CSS, JavaScript

**Cloud technologies & IDEs:** GCP (Google Cloud Platform), IntelliJ, VS Code

**DevOps, CI/CD & Containerization:** Google Kubernetes Engine, Docker, HELM Charts, Terraform, GitHub

**Frameworks & Databases:** Spring Boot, REST API, Microservices, JPA, Collections, PostgreSQL, SQL Server

**Architectural Concepts:** Data Structures, Algorithms, Java Application Architecture Design, Blue Green Design Pattern

## EDUCATION & CERTIFICATION

**Postgraduate Diploma | Full Stack Software Development** | *Lambton College* | Sarnia, ON, Canada

*September 2024 – April 2026*

**Bachelor of Engineering | Computer Science** | *LNCT College* | Bhopal, MP, India

*May 2013 – May 2017*

### Certifications:

- **Associate Cloud Developer** | Google Cloud Platform (Valid: Jun 2024 – Jun 2027)
- **Prompt Design in Vertex AI** | Google Cloud Platform (2024)

## PROJECT (E-Commerce Website) –View my [Portfolio](#) for detailed case studies and project highlights

- **Engineered a scalable E-commerce Microservices Platform** using **Java 17, Spring Boot, and JPA**, implementing full transactional workflow logic, from inventory checks to order fulfillment.
- **Designed and deployed cloud infrastructure** on **Google Cloud Platform (GCP)** using **Terraform templates (IaC)**, ensuring resources were provisioned securely, repeatably, and optimized for high availability.
- **Developed an end-to-end CI/CD pipeline** via **GitHub Actions, Helm Charts, and Docker**, automating the build and zero-touch deployment of microservices onto a **Google Kubernetes Engine (GKE)** cluster.
- **Implemented complex persistence logic** by integrating multiple database paradigms (**PostgreSQL** for transactions, **MongoDB** for catalog data) and designing a resilient cart service to **synchronize guest and logged-in user data**.
- **Enhanced deployment governance and security** through the integration of **External Secrets** for automated credential management, contributing to a robust, highly reliable, and horizontally scalable system architecture.

## Experience

**Technical Support Associate (Part-time) | Cogeco Inc.** | Sarnia, ON, Canada  
*present*

*Oct 2024 –*

- Reduced average incident resolution time by 15% by applying advanced, systematic diagnostic methodologies. Gained foundational expertise in distributed communication systems by troubleshooting and resolving **Layer 1 and Layer 3 network issues**, proving an ability to debug complex customer system failures.
- Drove operational continuity by designing and implementing an improved process for asset inventory management, resulting in 100% stock readiness for critical field equipment. Managed and prioritized a high volume of simultaneous technical tasks, maintaining a 95%+ first-call resolution rate and minimizing service downtime.