

# PRABAL SAXENA

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## PROFILE SUMMARY

- Software Developer with **6+ years of programming experience** in languages like Java 17, C#, and Python and cloud technologies.
- Worked on GCP and Azure app migration projects. **Achieved 80% efficiency by automation using Terraform, GitHub CI/CD & Helm.**
- I am immensely confident in developing RESTful APIs/microservices with Spring Boot & PLSQL scripts. Background includes full stack software development with Java 17, ASP.NET and production support activities.
- With extraordinary technical, planning & communication skills, I would like to contribute in your organization's innovative solutions.

## TECHNICAL SKILLS

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

**Cloud technologies:** GCP (Google Cloud Platform), Azure

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

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

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

**Tools & IDEs:** Jira, Confluence, IntelliJ, VS Code

**Soft Skills:** Good oral and written communication skills, Teamwork & Collaboration, Strong analytical and interpersonal skills

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

- Built a **fully responsive e-commerce system** from the ground up using **Javascript/HTML** and **microservices architecture**. The high-availability design, featuring **load balancing**.
- Implemented a fully automated CI/CD system using Github, HELM, Terraform, Docker, and Google Kubernetes. The pipeline includes linting, unit/integration testing, containerization, and blue/green deployment strategies, drastically reducing manual errors.

## WORK EXPERIENCE

**GCP Cloud Java Developer | Deutsche Bank | Pune, MH, India**

*Jan 2023 – June 2024*

- Engineered and executed a comprehensive migration of on-premises infrastructure to GCP.
- Rewrote legacy apps in Java 17/PostgreSQL with **100% accuracy in JUnit tests**. Streamlined deployment by **80%**, moving from TeamCity/DAP to a **GitHub pull request workflow** via GCP.
- Designed end-to-end software development life cycle (SDLC) checks for production readiness, converting business requirements into technical specifications and deploying system enhancements to production.
- Implemented secure CI/CD pipelines using generic Helm charts, google Kubernetes blue-green deployment strategy for minimal downtime during deployments. Achieved by using Kubernetes, Git for version control, HELM & Docker for automation.
- Deployed the **Istio service mesh** to optimize **gateway performance and access control**. Achieved a **70% improvement** in both efficiency and security posture by leveraging **Key Management Service (KMS)** cryptographic key concepts for secure communication and secret management.

- Engineered and executed a comprehensive migration of on-premises infrastructure to Azure. Rewrote legacy REST APIs in Java 17 and Spring Boot for a car insurance web application.
- Designed cloud-native applications like Azure Function Apps for event driven tasks helped **increase event processing by 70% as compared to solace queues**, Web Apps for small applications needed minimal downtime & scalability during peak, Web Jobs for scheduled tasks & AKS Kubernetes for connected microservices.
- Implemented automation code for document image scan, data analysis & updates to database with **98% accuracy**.
- Knowledge transfers to cross teams for preventative and corrective maintenance, troubleshooting and fault rectification of system and core software components.

- Provided **Tier 3 technical consultation** and **critical incident management** for highly complex, production-impacting issues across **Azure PaaS and SaaS** environments, consistently achieving **100% SLA compliance**. Specialized in rapidly diagnosing and resolving complex application failures, including **Azure Function App outages** and **Web App downtime**, by leveraging advanced debugging and monitoring tools such as **Application Insights, Fiddler, and Wireshark** to pinpoint and remediate root causes.
- Delivered expert architectural strategies and actionable technical recommendations to clients, ensuring optimal deployment, configuration, and security. Systematically resolved specialized issues related to **Content Delivery Networks (CDN)**, traffic management, and custom domains, while leveraging deep knowledge of core Azure infrastructure components, including Virtual Network Integration, Private/Service Endpoints, and Storage Account management, to ensure secure and optimized client connectivity.

- Engineered and maintained a **monolithic Flight Booking Application**, managing the full development lifecycle from database optimization (**designing and tuning SQL Server Tables/Views/Stored Procedures**) to implement advanced frontend features using AJAX and JavaScript for superior UX, eliminating page reloads during API calls.
- Drove core application functionality by successfully **integrating and managing third-party APIs** (e.g., insurance, bus services) and ensured high system integrity by **resolving a critical production payment gateway flaw** with faulty redirection logic, directly protecting revenue flow and maximizing application uptime.

- Managed end-to-end resolution** of complex, client-impacting incidents for critical business applications, providing **Level 3 technical support** from initial business analysis through final deployment of the fix.
- Maintained optimal application health by **monitoring key performance indicators (KPIs)** and addressing system alerts, preventing potential outages and performance degradation with 100% accuracy & efficiency.

## EDUCATION & CERTIFICATION