

Jayendra Pawar

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EXPERIENCE

IBM Software Engineer Backend (Specialist)	Oct 2024 - Present Bengaluru, Karnataka
<ul style="list-style-type: none">Working on large-scale Virtual Private Cloud (VPC) infrastructure, contributing to backend service integration and scalable ADRs to enhance service communication, scalability, modularity, and availabilityLed development of workload lifecycle management modules for stateful database services on Kubernetes, leveraging CRDs, resilience validation strategies, and fault-injection workflows using the Kubebuilder framework; enhancing observability and improving recovery cycles by 30% for critical workloadsStandardized Deployable Architecture modules, enabling 40% faster feature rollouts, enhancing backup and recovery development workflows, and streamlining cross-team collaboration while strengthening system resilienceArchitected and developed an interactive Slack bot for managing services, integrating trusted profile capabilities for cross-cluster communication, improving system reliability and reducing mean time to recovery by 70%Built and deployed CI/CD pipeline using Github Actions, integrating data masking capabilities to strengthen HIPAA compliance, achieving a 90% improvement in system modularity using reusable workflows	
Freshworks Software Engineer Backend	Jul 2022 - Aug 2024 Bengaluru, Karnataka
<ul style="list-style-type: none">Engineered a highly available microservice for data workflows, enabling critical platform synchronizations processes such as notifications, messaging and payments, serving 4.9 million users worldwideDeveloped a scalable Job Scheduler, incorporating API specifications, ERD designs, and workflows using Kafka, Redis, gRPC and Protobufs, managing 150K+ customersLed the migration of platform sync services to EKS (Kubernetes), achieving a 30% cost reduction while enhancing deployment efficiency and scalability for millions of daily transactionsAccelerated MySQL performance, cutting query execution time by 60% through indexing, partitioning and execution plan optimization. Implemented CDC-based caching to synchronize transient and persistent data in real time, reducing API response time by 40%Implemented a monitoring dashboard that aggregates system logs for real-time performance insights; expedited incident detection time by 25%, enabling faster troubleshooting with the platform's reliabilityDeployed canary releases across five microservices, minimizing deployment risks and reducing rollback rate by 15% while ensuring adherence to release policies, performance benchmarks, and service-level objectives (SLOs)	

Booking Holdings

Software Engineer (Internship)	Jan 2022 - May 2022 Bengaluru, Karnataka
<ul style="list-style-type: none">Strengthened the global user experience of Property Hub, a platform used by 900+ hotels and companies, by integrating internationalization features using React and Golang, driving wider adoption across international marketsBuilt an Onboarding Portal for Actionable Messages, collaborating with stakeholders to optimize data exchange operations, resulting in a 90% customer query response rateMitigated critical Veracode security flaws, reducing vulnerabilities from over 30% to less than 5%. Optimized microservice resilience and ensured compliance with industry security standards	

EDUCATION

National Institute of Technology, Jaipur Bachelor of Technology in Mechanical Engineering; Minor in Computer Science	Jul 2018 - May 2022 Jaipur, Rajasthan
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SKILLS

- Programming Languages:** Golang, Python, Rust, C/C++
- Frameworks & Tools:** Kubernetes, Docker, gRPC, WebSockets, Linux, Shell, Kafka, Prometheus, Grafana
- Cloud & DevOps:** AWS, Helm, EKS, Jenkins, Github Actions, CI/CD Pipelines, Terraform
- Database Technologies:** MySQL (Indexing, Partitioning), Redis
- System Design & Architecture:** Microservices, API Design, Distributed Systems, Data Structures and Algorithms
- Other Skills:** Regulatory Compliance (HIPAA Standards), Cross-Team Collaboration, Performance Optimization