

Gurpreet Gandhi

www.linkedin.com/in/gandhigurpreet
gurpreetgandhi3@gmail.com

(+91) 8374333790
github.com/grupret

Experience *Innovative and outcome-driven Software Architect with 10+ years of experience on Platform Engineering.*

Technical Skills

- **Languages:** Java, SQL, Node.js, Python
- **Frameworks:** Spring Boot, Camunda BPMN, Apache Flink, Kafka, RSocket, Mockito, JUnit
- **Cloud & Infra:** Kubernetes, Istio, Terraform, Docker, Aws, Azure, DigitalOcean
- **Databases:** MongoDB, Redis, PostgreSQL, TimescaleDB, Neo4j, TiDB, MySQL
- **CNCF Stack:** Envoy, CoreDNS, OpenTelemetry, Jaeger, Prometheus, Thanos, Kyverno, OpenCost, Trivy
- **Testing & DevOps:** Postman, JMeter, GitWorkflows, ArgoCD, Vault, Consul, Grafana, Ollama for Inferenceing,
- **AI & Agentic Frameworks :** Novice and interested on working with tools like Nvidia Operators for GPU slicing, Ollama, HuggingFace on K8s for Inference api, vLLM, Ray.io, Elyra, Kubeflow, Katib, KServe
- **Architectural Focus:** Event-driven design, Stream Processing, Semantic Compute, HTAP systems

Professional Experience

Engineering Manager, *Mobius by Gaian* Apr 2020 – Present

- Architected a distributed Data-as-a-Service (DaaS) platform combining Flink, TiDB, MongoDB, and Apache Hudi to handle both HTAP and OLAP workloads efficiently.
- Designed & deployed a high-availability architecture using Kubernetes + Istio, integrated with Prometheus, Thanos, and Jaeger for observability and resilience.
- Implemented service mesh patterns (VirtualService, Gateway, HPA) with advanced routing and traffic shaping, increasing system uptime and fault tolerance.
- Led the design of “RunRun,” an Infrastructure-as-Code (IaC) pipeline using Camunda + Terraform Bricks, automating deployments across services, observability stacks, and DBs.
- Built Cloud Data Stream (CDS) platform leveraging RSocket TCP for ultra-low-latency microservice communication across streaming workloads.
- Directed development of internal DevSecOps tools and process automation layers, integrating secrets (Vault), tracing (OpenTelemetry), and config stores (Consul).

Software Engineer, *Planon Software* Dec 2017 – Apr 2020

- Developed RFID Cordova plugin for RFD8500 scanners, integrating Java/Obj-C over Bluetooth-SSI for enterprise asset management.
- Designed connectors for Azure, SAP, and Leverton using Retrofit, JAX-RS, and asynchronous queues for enterprise integration.
- Led development of in-browser QR-enabled Badge Designer using Apache Wicket and JasperReports.
- Prototyped a recommendation engine using Mahout for asset maintenance insights.

Software Engineer, *Tech Mahindra* Jun 2016 – Dec 2017

- Delivered GST compliance modules for Norwegian tax system using SQL/PLSQL and REST.

	<ul style="list-style-type: none"> • Reduced asset report run-times by 40% via PL/SQL refactoring, use of BULK COLLECTs and query optimization. • Developed “Efforts Mentor” time/budget tool to automate billing for T&M projects—adopted across multiple clients.
	<div> <div>Associate Technical Consultant, <i>IFS Solutions</i></div> <div>Jul 2014 – Jun 2016</div> </div> <ul style="list-style-type: none"> • Developed reporting and integration features using IFS tools, Java, SQL, Web Services.
Certifications	<ul style="list-style-type: none"> • Certified Kubernetes Application Developer (CKAD), ID: LF-6xrpcn6ujy, Issued Dec 2024
Education	<div> <div> Bachelor of Technology in Computer Science Engineering GLA Institute of Technology, Mathura, India Score: 71.3% </div> <div>2010 – 2014</div> </div>
Projects & Academic Work	<ul style="list-style-type: none"> • GLA University Portal: End-to-end automation system for academic material delivery and infrastructure workflows.
Awards & Recognition	<ul style="list-style-type: none"> • GEM Award, Gaian: Timely delivery of distributed “Pitcher-Catcher” real-time system. • Bravo Award, Tech Mahindra: GST project rollout success. • Pat on the Back, TechM: Created Efforts Mentor, boosting billing transparency by 20%. • GLA Innovation Recognition: Successful deployment of university-wide portal system. • Volunteered and organized charity events and technology sessions at multiple orgs.