D Subrahmanyam

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CAREER OBJECTIVE

To build and deliver secure, reliable, high-performance backend platforms and event-driven services at scale. I focus on clean architecture, observability, and automation to improve developer velocity and production stability.

PROFESSIONAL SUMMARY

• ~7.5 years of experience in backend engineering, platform development, and production support.
• Technical Lead at HP PPS Services Pvt Ltd, driving event-driven microservices and messaging systems for HP eCommerce systems (3.5+ years).
• 4 years prior experience at Mphasis Ltd, building Spring Boot microservices and AWS-integrated services for enterprise programs.
• Strong hands-on expertise in Java, Spring Boot, Go, MongoDB, RabbitMQ, Solace, Docker, Kubernetes, AWS, and Azure.
• Architected secure MongoDB tunneling and reliable Solace consumers with feature-flag-driven control.
• Experience with observability, Splunk and internal tracing for production readiness and debugging.

CORE SKILLS

Languages / Runtime: Java, Go
Backend / Frameworks: Spring Boot, Spring Core (IOC), Spring MVC, Spring Security, Spring Data JPA, Hibernate, REST APIs, Microservices architecture
Messaging & Event-Driven: RabbitMQ (publisher confirms, ack/nack, retry queues), Solace PubSub+, Event Handler pipelines
Data / Storage: MongoDB (secured access, performance tuning, auditing), Oracle, MySQL, DynamoDB, AWS Aurora DB
Cloud & Infra: Docker, Kubernetes, AWS (EC2, S3, Lambda, SQS, Secrets Manager, CloudWatch), Azure, LaunchDarkly feature flags, OAuth/KMS secure service communication
Observability / Reliability: Splunk dashboards, RPL monitoring, tracing in prod, rollback planning
Tooling & Quality: IntelliJ, Postman, JUnit 5, Mockito, JaCoCo, SonarQube, Git/Azure DevOps CI/CD

PROFESSIONAL EXPERIENCE

HP PPS Services Pvt Ltd
Technical Lead | June 2021 – Present (3.5+ years)

• Designed event-driven microservices that process and route critical eCommerce events (order, invoice, payment, subscription).
• Built and enhanced Event Handler service to enrich Solace events and publish reliable messages to RabbitMQ with correlation tracking.
• Developed Solace Consumer components handling event enrichment, routing logic, and failure isolation.
• Created MongoDB Secure Tunneling Service offering short-lived, auditable access to restricted clusters.

• Integrated LaunchDarkly feature flags for dynamic configuration management across DEV/PIE/STG/PROD without redeploys.
• Implemented Splunk / RPL-based observability for production tracing and debugging.
• Contributed to Mock Genie, a mock service platform to simulate downstream APIs for CI/CD and unblock dependencies.

Mphasis Ltd, Bangalore
Software Engineer | May 2017 – May 2021 (4 years)

• Developed and deployed Spring Boot microservices for enterprise payment systems and order management.
• Built REST APIs for IPN, IDN, IRN services integrating payment and refund flows with RPL screening.
• Implemented data security and signature verification using HMAC SHA-256 and Spring Security.
• Enhanced performance, automated retry logic, and improved error tracking for high-volume transactions.
• Worked on AWS (EC2, S3, Lambda, SQS, Secrets Manager) and integrated logging via CloudWatch.

KEY PROJECTS

• Event Handler (HP eCommerce Platform):
Spring Boot service to transform and enrich Solace events (order/invoice/payment/etc.) and publish reliable internal messages to RabbitMQ with retry, DLQ handling, correlation mapping, and audit trails.

• Solace / RabbitMQ Consumer Framework:
High-availability consumer layer with confirm callbacks, ack/nack logic, LaunchDarkly runtime control per environment, and Splunk-based traceability for production debugging.

• MongoDB Secure Tunneling Service:
Internal access platform that dynamically creates short-lived, auditable tunnels to restricted MongoDB clusters instead of giving long-term direct DB access.

• Mock Genie (Internal Mocking Platform):
Mock downstream services from contract/Swagger so teams can test in CI and lower envs without waiting on real downstream systems.

• Ecommerce – Moneta & RPL:
End-to-end order validation, payment confirmation and compliance. Verifies IPN payloads (HMAC SHA-256), runs Restricted Party List (RPL) address screening, triggers delivery (IDN) or refund (IRN), retries failures with schedulers, and stores lifecycle data in MongoDB.

EDUCATION

• MCA – SRKR Engineering College, Bhimavaram (80%)
• B.Sc (MPCS) – Sri Surya Degree College, Narasapuram (84%)
• Intermediate (MPC) – Sri Surya Junior College, Narasapuram (85.9%)

PERSONAL DETAILS

• Date of Birth: 12 March 1994
• Nationality: Indian
• Languages: English, Telugu
• Marital Status: Married