NIMIT HARISH RAJDEV

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SUMMARY

Senior Software Engineer with 10+ years of experience specializing in high-scale backend systems, distributed tracing, and AI-driven engineering automation. Proven track record of delivering nearly $1M in combined annual cost savings and significant performance optimizations for enterprise-scale platforms. Expert in building resilient distributed systems, mission-critical gateway management, and optimizing developer productivity through advanced CI/CD, cloud-native infrastructure, and observability.

EDUCATION

University of California, San Diego (UCSD) CA — **Graduation: Dec 2010**
Master of Science, Computer Engineering — GPA: 3.6/4

Nirma University, India — **Graduation: May 2008**
Bachelor of Technology, Electronics and Communication Engineering — GPA: 8.38/10

SKILLS

- **Languages:** Java (Spring Boot/MVC, Jersey), Python, SQL, Lua, Golang (minor)
- **Platform & API:** GraphQL (Federated Architectures, Braid, Nadel), REST, Nginx
- **Data & Persistence:** JDBC, Hibernate, SQL, Internal Data Stores, DataBricks, Socrates data-lake
- **Cloud & Infrastructure:** AWS (EC2, S3, CloudWatch), Terraform, Bitbucket Pipelines, Spinnaker, Docker
- **Observability:** Distributed Tracing (OpenTelemetry, Micrometer), SignalFx, Splunk
- **Resilience & Performance:** Resilience4j, Circuit Breakers, Rate Limiting, Multi-threaded Execution
- **AI & Automation:** Agentic pipelines, LLM-powered developer tooling

WORK EXPERIENCE

Senior Software Engineer — **Aug 2020 – March 2026**
Atlassian

- **Mission-Critical Gateway:** As part of API Platform team, maintained and evolved primary edge entry points for Confluence Cloud serving **billions of requests per day**, managing high-scale edge services including a Java GraphQL Gateway via federated GraphQL architectures (Atlassian Braid).
- **AI Tooling & Agentic Orchestration:** Recognized as a top 3 internal LLM power user; championed agentic Bitbucket pipelines for automated service deployments; developed AI skills to automate image upgrades, gate API compliance changes, and track experimentation OKRs — including an agentic skill that queries DataBricks via MCP, parses and filters results, and posts formatted performance updates to Slack.
- **Observability & Strategic Cost Savings:** Spearheaded the Confluence Distributed Tracing Project (OpenTelemetry), achieving **100% instrumentation** for critical user paths with GraphQL extensions for real-time latency breakdowns. Results: **$567k in direct annual savings**, **28–36% TTR reduction**, **31–36% decrease in logged work hours**, and **$365k** in additional production cost savings, enabled by knowledge-sharing and tracing guidance that helped a peer team accelerate complex page load times (VC90 +25%). Extended the program by leading 2 engineers to publish backend data to the Socrates data-lake and build DataBricks dashboards for SQL performance analysis — pivoting from a dropped external dependency to deliver independently.

- **AI-Ready Graph Architecture:** Made primary Confluence entities node-compatible via a federated GraphQL Gateway, unblocking Confluence's participation in two broader initiatives: the Team Work Graph (enabling AI-driven insights across Atlassian products) and the frontend migration to Relay, which relies on the node interface for normalized caching.
- **Developer Productivity & CI/CD:** Proactively optimized CI/CD workflows: **82% reduction in build times**, **75% improvement in test execution speed** (~60s → under 10s), and **92%+ code coverage** for Confluence GraphQL Gateway service; saved **1 dev-hour per build** by automating base image publication for Reverse Proxy service.
- **Compliance & Multi-Region Expansion:** Led Data Residency region expansion across multiple phases — **delivered one week early** for the initial region and **one month early** for the multi-region expansion at leadership's urgent request — alongside FedRAMP compliance for both services; delivered all tasks on time.
- **Service Reliability & Operational Excellence:** Audited deployment checks, detectors, and alerts for gateway services — adding anomaly detection, deep health checks, and Spinnaker deploy validation. **Result: zero deployment HOTs.** Implemented aggressive scaling policies and feature-flag-controlled timeout reductions. **Result: zero incidents due to connection pool exhaustion** (previously a recurring cause of outages).
- **Technical Leadership & Mentorship:** Facilitated **37 knowledge-sharing sessions across FY24–FY25** with 100% team participation; held the **2nd highest PR review count among ~40 backend engineers** in the org (FY24 H1); mentored new hires and cross-team engineers; acted as "Experimentation Champion" for controlled production rollouts.

Senior Software Engineer **Jan 2011 – Jan 2014, Jan 2016 – Aug 2020**
FactSet Research Systems Inc.

- **Product Ownership:** Architected and maintained client-side products enabling consumption of FactSet's market data and services within Microsoft Office applications for thousands of enterprise users.
- **Full-Stack Optimization:** Built a high-performance typeahead engine for Excel using a Node.js service, a specialized state machine for Windows event hooks, and a WPF frontend.
- **Performance Engineering:** Awarded Speed-Sprint prize for optimizing workbook cleanup times by **over 90%** while improving UI responsiveness via multi-threaded execution.
- **Engineering Standards:** Led architectural reviews and increased unit-test coverage across the Office Integrations team, establishing mentor-led engineering best practices.

Data Scientist **Jun 2015 – Dec 2015**
Ecolibrium Energy Pvt. Ltd.

- Built analytical tools to process data from thousands of sensors nationwide; modeled efficiency relationships for transformers to estimate system health gains; automated client reporting via a custom-built reporting engine.

Machine Learning Intern **Summer 2010**
Lytx, Inc.

- Implemented a neural network classifier using features extracted from sensor waveforms to discriminate between dynamic driving events; trained and validated the model on millions of labeled events from vehicle-mounted systems.