

JOSE GUTIERREZ

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SENIOR JAVA SOFTWARE ENGINEER

Senior Software Engineering Professional and IEEE Senior Member with 10+ years of experience delivering enterprise and mission-critical solutions for national and multinational organizations. Experienced across software development, architecture, technical leadership, and project management, with a proven ability to lead initiatives throughout the full SDLC using Agile and Scrum methodologies. Delivered solutions across Healthcare, Banking, Mining, and Pharmacy, with expertise in Java, Spring, Python, and cloud-based AI/ML technologies. Holds PMP and CSM certifications, Java certification, and multiple AWS and Google Cloud certifications.

- Software Architecture • System Design • Agile Project Management • Scrum • Artificial Intelligence • Data Analysis
- Machine Learning • Cloud Computing • CI/CD • Test Automation • Business Intelligence • Team Leadership

Languages: Java, Python, JavaScript

Web: HTML, CSS, React, Node, Express.js, TypeScript

Web Services: REST, SOAP, OAuth, JWT

Web/App Servers: Apache, Tomcat

Frameworks: Spring Boot, Hibernate, Mybatis, Spring AI, FastAPI

Databases: Oracle, MySQL, MongoDB

Design Patterns: Singleton, Decorator, Command

SDLC: Agile, Scrum

Tools: Gradle, Maven, NPM, GitHub, RabbitMQ, Kafka, Docker, Kubernetes, Spark

Platforms: MacOS, Linux, Windows, AWS, GCP, Azure

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

BCP, Lima, Peru • 02/2025 – 02/2026

Banco de Crédito del Perú (BCP) is Peru's largest and oldest financial institution, providing comprehensive banking products and services to individuals, SMEs, and corporations as part of Credicorp.

Technology Engineer (AI/ML)

- Engineered an AI-powered assistant using the Grok model with Model Context Protocol (MCP) tools (Jira, Embrace, Custom) to automate root cause analysis, cutting incident diagnosis time by 30%.
- Built ML-driven predictive alerting with Grafana dashboards to surface anomalies before outages, reducing mean time to resolution (MTTR) by 50%.
- Migrated multiple projects from Dynatrace to Grafana and OpenTelemetry using open-source technologies, achieving \$2.25M in annual cost savings.
- Deployed Grafana Faro and OpenTelemetry for frontend and backend instrumentation, delivering end-to-end monitoring across all 400+ production applications.
- Integrated mobile apps with Embrace and Grafana for frontend monitoring, improving root cause analysis by 40%.
- Managed Jira backlog (Epics/Stories/Tasks) and sprint assignments, running sprint planning, standups, demos, and retrospectives to drive consistent on-time delivery.

Technologies Used: Java, Spring Boot, Quarkus, Angular, Python, FastAPI, MCP, Grafana, OpenTelemetry, Prometheus, Loki, Embrace.

QUALIFACTS SYSTEMS LLC, Nashville, United States • 07/2016 – 06/2024

Qualifacts – Healthcare technology company providing EHR software and data solutions for behavioral health and human services organizations, supporting clinical workflows, compliance, and billing.

Senior Staff Software Engineer (11/2018 – 06/2024)

- Designed the eMAR Taper and Titration architecture for complex-sig medications by upgrading Dr. First API integrations and optimizing SQL queries, improving application performance by 40%.

- Engineered the eMAR module on the CareLogic platform using React, Java, Camel, and the Activiti BPMN engine, delivering medication management features that streamlined clinical workflows for over 6 million patients.
- Architected asynchronous ADT event processing and real-time notifications for eMAR using RabbitMQ, Kafka, BPMN, and WebSockets, reducing event-processing latency by 90%.
- Developed a real-time Audit Log processing system for PHI tables using Apache Kafka and Shareplex, boosting data processing efficiency by 40%.
- Integrated Looker into CareLogic's Analytics Platform, enabling dashboards for 3,000+ provider partners, and implemented the Patient Portal and ToC via HL7/FHIR and CCDA workflows through Updoo/MaxMD.
- Built the CareLogic Mobile App for Android and iOS using Kony Visualizer, JavaScript and Spring, integrating REST services through Kony Fabric and enabling offline sync that boosted field documentation by 80%.
- Customized a Ruby engine for CQM–PopHealth, improving reporting accuracy and response time by 50%.

Technologies Used: Java, Spring Boot, Hibernate, Mybatis, React, Python, Ruby, Oracle, MariaDB, MongoDB, Kafka

Lead Software Engineer (07/2016 – 10/2018)

- Migrated the entire CareLogic web platform from IE7 to modern browsers (Edge, Chrome, Safari) using ECMAScript 6, refactoring thousands of legacy screens and succeeding where six prior company attempts had failed, earning the HiPo Engineering Recognition (2017).
- Designed microservices for on-premise and cloud environments using Java, Spring Boot, Node.js, React, Docker, and Kubernetes, and created a one-click favorites menu that improved navigation efficiency by 90%.
- Optimized Schedule module performance by over 80% through SQL query tuning, caching, and UI re-architecture.
- Implemented the State Reporting Platform module to onboard CareLogic across multiple U.S. states, reducing per-state implementation time by 75%.
- Established engineering best practices (unit tests, code reviews, documentation), decreasing bugs 30% yearly.
- Adopted Agile methodologies, accelerating delivery by 20% and improving on-time sprint completion by 15%.
- Directed Agile teams through sprint planning, Jira management, and code reviews to deliver projects on schedule.

Technologies Used: Java, Spring Boot, Hibernate, Mybatis, React, Python, Oracle, MariaDB, MongoDB

❖ ***Earlier professional experience (02/2011 – 06/2016) can be provided upon request.***

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2028)

Maharishi International University, Fairfield, Iowa

Masters in AI & Machine Learning

Georgia Institute of Technology, Atlanta, GA *(Expected completion 12/2027)*

Masters in Business Administration

National University, San Diego, CA (03/2022)

Bachelor in Systems Engineering

Peruvian Union University, Lima, Peru (02/2011)

CERTIFICATIONS

[Google Cloud Certified - Professional Machine Learning Engineer \(PMLE\)](#) *(Expires: 01, 2027)*

[AWS Certified Machine Learning Engineer – Associate \(MLA-C01\)](#) *(Expires: 11, 2027)*

[AWS Certified AI Practitioner \(AIF-C01\)](#) *(Expires: 11, 2027)*

[OpenTelemetry Certified Associate \(OTCA\)](#) *(Expires: 08, 2027)*

[Project Management Professional \(PMP\)](#) *(Expires: 08, 2029)*

[BMC Certified Associate: Helix Service Monitoring & AIOps](#) *(Expires: 11, 2027)*

[NVIDIA Fundamentals of Deep Learning](#) *(Issued: 02, 2025)*

[NVIDIA AI for Anomaly Detection](#) *(Issued: 03, 2025)*

[Sun Certified Java Programmer \(SCJP\)](#) *(Issued: 04, 2010)*