Viviana Gabriela Herrera

Software Engineer — Eligible to work in the UK

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SUMMARY

Backend Software Engineer with 6+ years of experience developing and optimizing Java services. Specialized in Spring Boot, REST APIs, microservices, and distributed architectures. Experienced with technologies including Docker, Kubernetes, AWS (SNS, SQS), and SQL databases (MySQL, PostgreSQL). My background spans both startups and large enterprises across healthcare, fintech, education, and e-commerce sectors, collaborating with cross-functional teams. Currently expanding knowledge in artificial intelligence and emerging technologies.

EXPERIENCE

- **SancorSalud**
  Software Engineer   *April 2023 – December 2024*
  - Designed and developed a REST API integrating with Argentina's federal tax authority's SOAP endpoint, automating administrative tasks and reducing onboarding time by 80%.
  - Maintained systems to manage healthcare member lifecycle, including reporting tools.
  - Technologies: Java EE 7, Spring Boot (Java 11), TypeScript(Angular), JBoss, SQL Server, Microservices.

- **Mendel**
  Software Engineer   *January 2022 – October 2022*
  - Supported internal business services by building tools for processing employee purchases, managing XML invoices, tracking budget approvals, and generating data reports for administrative teams.
  - Developed a service to process invoices in XML format, automating tax data extraction and categorization for accurate storage. Results:
    * Reduced manual processing time by 70%, boosting efficiency.
    * Provided new data insights, enhancing transparency for clients.
    * Enabled storage and organization of previously unavailable tax data, ensuring compliance and audit readiness.
  - Technologies: Java 16 (Spring Boot), MySQL, Docker, Kubernetes, Microservices, Jenkins.

- **Naranja X**
  Software Engineer   *June 2021 – December 2021*
  - Maintained APIs for bank account creation and money transfers, ensuring seamless integration with Visa, MasterCard and Mambu (banking clearing).
  - Used Datadog to identify bottlenecks, migrated Camunda services to Java microservices, and integrated AWS SNS/SQS, making the system more flexible and reducing processing time by 35%.
  - Technologies: Java 11(Spring Boot), AWS (SNS, SQS, Secret Manager), Docker, Kubernetes.

- **Stacktrace**
  Software Engineer   *May 2019 – May 2021*
  - Developed web systems for healthcare, civil registry, and education for the government of San Luis, Argentina, allowing modernization of administrative processes.
  - Technologies: Java 8(Spring Boot), MySQL, TypeScript(Angular).

- **MercadoLibre**
  Software Engineer   *May 2016 – April 2019*
  - Maintained APIs related to money transfers, report generation, and account history management, ensuring proper functionality and availability.
  - Designed and developed the integration with Citi Bank's API for bank account validation, implementing SSL connections to enhance accuracy and security.
  - Automated the income/expense fees matching for each financial transaction via integrating with the company's SAP accounting system, improving the accounting team's efficiency.
  - Created Datadog dashboards to monitor key financial metrics by site (Argentina, Brazil, Chile, Colombia, Peru), enabling informed decision-making on fund management.
  - Migrated the tech stack from Grails to Java 8, modernizing the architecture and improving system scalability.
  - Technologies: Java 8, Groove, AWS (SNS, SQS), Redis, Jenkins, New Relic, Datadog.

Skills

- **Programming Languages**: Java (8–16), Java EE, JavaScript, TypeScript, SQL (PostgreSQL, MySQL), Groovy, Python (learning)

- **Frameworks & Tools**: Spring Boot, Spring Security, Spring Data JPA, Spring WebFlux, Swagger / OpenAPI, REST APIs, Angular, Git, Docker, Kubernetes, Jenkins, Redis, Datadog, New Relic

- **Cloud & Infrastructure**: AWS (SNS, SQS, Secrets Manager), CI/CD pipelines, Event-driven architecture

- **Methodologies**: Agile (Scrum), Pair Programming, TDD (basic), Cross-functional collaboration

Courses & Certifications

- **LLM Engineering Essentials** – Nebius Academy (Jun 2025 – Present) : Hands-on course on building LLM-powered platforms. Topics: Prompting, RAG, Agents, Fine-tuning, Monitoring. Final project: NPC Factory platform with open-source models. (In progress)

- **AI Agents Workshop Series** – Google (Jul 2025 – Present) : Technical sessions on building AI agents with ADK and GCP. Covers orchestration, multi-agent collaboration, cloud deployment (Vertex AI). Live coding and labs. (In progress)

Education

- **National University of San Luis**
  University Programmer Analyst (Equivalent to Bachelor's Degree in Computer Science) *December 2020*

Volunteering

- **Cancer Research UK**
  Volunteer – Charity Shop *August 2024 – Present*
  - Support day-to-day operations at a charity shop by assisting customers, organizing and pricing donations.
  - Contribute to the shop's fundraising efforts by ensuring efficient handling and presentation of donated items.

Languages

- **English** Fluent

- **Spanish** Native