

Melio Josue Diaz Diaz | Software Engineer

Lima, Peru
meliodiaz.com

GitHub: MeloDev2111

LinkedIn: Melio Diaz Diaz

PROFESSIONAL PROFILE

Software Engineer with over 4 years of experience across EdTech and FinTech, with strong ownership of critical processes and a focus on high-quality, maintainable and scalable software. Experienced with Java, Python and Cloud Computing, and strongly interested in software architecture, DevOps, AI-assisted development and Data Science. I enjoy collaborating in multidisciplinary teams and solving complex problems.

EXPERIENCE

Globant

March 2026 – Present

Java Developer Ssr Advanced

Payments / Fintech · Leading national payments technology ecosystem · Lima, Peru

- Migrated legacy services to Java 21, Spring WebFlux and Hexagonal Architecture, structured under the PBC (Packaged Business Capabilities) approach.
- Integrated an online settlement service alongside the legacy system, migrating selected merchants from daily batch settlement to real-time processing.
- Stabilized and refined asynchronous banking integrations and backoffice services, ensuring proper use of reactive programming.
- Implemented observability with New Relic to improve the monitoring and traceability of flows.

Universidad Tecnológica del Perú (UTP)

May 2022 – March 2026

Technology and Digital Transformation Department · UTP +Class project: Learning Management System · Lima, Peru

Backend Developer Ssr

October 2023 – March 2026

- Led the planning, backend development, and launch for the Graduate School LMS, successfully onboarding a new client base of 10,000+ users.
- Contributed to the launch and stability of the university-wide LMS platform supporting a total of 200,000 users, ensuring optimal response times.
- Reengineered the enrollment process, cutting execution time from hours to minutes while absorbing a load increase from 20k to 1M records.
- Improved applicant registration on the EPG admission exam platform with a secure Active Directory integration.
- Mentored new team members on DevOps practices and backend development standards.

Full Stack Developer

May 2023 – October 2023

- Integrated Java microservices with AWS X-Ray to enhance system monitoring and error diagnosis.
- Tuned complex PostgreSQL queries using pganalyze to improve database performance.
- Developed interfaces using TypeScript and React following Clean Architecture, Design System and SOLID principles.
- Provided active production support for incident resolution, ensuring service continuity.

Backend Developer

May 2022 – May 2023

- Designed and developed RESTful APIs using Java/Spring Boot with Hexagonal Architecture, DDD and CQRS.
- Implemented AWS Serverless web services using JavaScript and Node.js under the Serverless framework.
- Integrated the LMS with external ecosystems (Zoom API) and internal components (CRMs and Mobile App).
- Introduced the Object Mother pattern in unit tests, standardizing and speeding up test writing for the whole team.

AWARDS

Star GTTD 2024 Semester 1 and 2

Universidad Tecnológica del Perú | Technology and Digital Transformation Department

January – December 2024

Achieved Talent

Universidad Tecnológica del Perú | Xpedition Trainee Program

May 2022 – August 2023

SKILLS

Programming Languages: Java, Python, JavaScript
Web Technologies: Spring Boot, Spring WebFlux, Quarkus, Node.js, Serverless Framework, React, TypeScript, HTML5, CSS3, Tailwind
Software Architecture: Microservices, Hexagonal Architecture, Reactive Programming, DDD, PBC
Distributed Architecture: Event-Driven, CQRS, Kafka, Redis
Database: PostgreSQL, SQL Server, MySQL, MongoDB, DynamoDB
Cloud & DevOps: AWS, GCP, Azure DevOps, Docker, Kubernetes, Git & GitHub, CI/CD
Methodologies: Agile, Scrum, Kanban
Tools & Platforms: Jira, Postman, SonarCloud, JMeter, Swagger, OpenAPI, Power BI, Figma, Maven & Gradle, Jupyter Notebooks, Streamlit, pganalyze, OpenSearch, AWS X-Ray, New Relic, Keycloak
AI-Assisted Development: Claude Code, Kilo Code, MCP, Spring AI, Gemini, GLM
Soft Skills: Leadership, Ownership, Problem solving, Prioritization

EDUCATION

Systems Engineering and Informatics April 2018 – March 2023
Universidad Nacional del Santa | Bachelor's degree
First in Class

CERTIFICATIONS

- Accessing Relational Databases with Quarkus – Udemy & Antonio Goncalves (October 2026)
- Claude Code 101 – Claude Academy (September 2026)
- Reactive Systems with Spring WebFlux & Apache Kafka – Globant Campus (June 2026)
- Reactive Programming with Spring – Udemy & John Thompson (May 2026)
- SI Associate Certification – MongoDB (April 2026)
- DevOps Bootcamp UTP – Tym Cloud (September 2025)
- Associate Cloud Engineer – Google Cloud (June 2025)
- AWS Certified Cloud Practitioner – AWS (February 2025)

LANGUAGES

Spanish : Native
English : B2