

Ivan Battimiello

Teach & Team Lead | Senior Full-stack & DevOps Engineer | Solution Builder

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Full-stack Engineer with extensive experience in software development, specializing in leading Backend and DevOps roles. Successfully led Backend initiatives and managed cloud infrastructure, optimizing performance for FinTech, public administration, e-commerce, and digital media projects. Proficient in Java, Python, Go, Node.js, JavaScript, Angular, Database Design, Systems Design, Version Control, and Team Management, with a strong focus on architecting scalable platforms and secure infrastructure using Docker, Bash, Kubernetes, and AWS. Efficiently integrated multiple payment providers and securely managed authentication and authorization systems using OAuth, SSO, and JWT. Aims to leverage expertise in cloud infrastructure and CI/CD pipelines to enhance efficiency and performance. Adept at mentoring teammates through collaboration, code reviews, and providing strategic guidance to ensure best practices. Experienced in deconstructing user stories and managing sprint estimations, enhancing team performance, ensuring deadline accuracy, and continuously studying and exploring new technologies, with a strong willingness to learn and expand my skill set.

Skills

- **Programming Languages:** Java, Python, Go, Node.js, C++, C#, PHP
- **Frameworks:** Spring (MVC, Boot, Security, Data, Cloud), Flask, Express, Laravel
- **Databases:** SQL, PL/SQL, PostgreSQL, MySQL, Oracle, Redis, JDBC
- **Payment Providers:** PayPal, Stripe, Shift4, RS2, Worldpay, Klarna, CoinGate
- **Brokers:** RabbitMQ, Redis, Kafka
- **ORMs:** JPA, Hibernate, SQLAlchemy, Sequelize, MikroORM, Eloquent
- **CMS:** Liferay, WordPress
- **VCS:** Git, GitHub, GitLab, BitBucket
- **Web Servers:** Nginx, Tomcat, Apache, Weblogic
- **DevOps Tools:** Docker, Kubernetes, Kustomize, Jenkins, AWS (VPC, EKS, ECR, S3, IAM, EC2, RDS, SNS, SES, Lambda, CloudFront, Inspector, WAF, CloudTrail, CloudWatch, ALB), eksctl, Terraform, Fastlane, Hetzner, CI/CD pipelines, Helm, IaC, Google Cloud (GCP), FluxCD, Unleash, Flagger, Oracle Cloud, OCI
- **Web Technologies:** HTML, CSS, JavaScript, TypeScript, Angular, AngularJS, JSP, JSF, PrimeFaces, WebSocket, Gatsby, React
- **Software Design & Modeling:** UML, OWASP, TDD, BDD, SOLID, Design patterns, OAuth2, SSO, JWT, Distributed Systems, Feature Flag, REST, Microservices, Monolithic, SOAP, PoLP, IaC, DevSecOps
- **Scripting:** Bash, Makefile, PERL, Ruby, RegEx, Groovy, BrightScript
- **Testing:** JUnit, Pytest, PHPUnit, Selenium, Unit test, Feature test, Integration test
- **Operating Systems:** Linux, Windows, MacOS, Android, IOS
- **Mobile:** React Native, Fastlane, ADB, Android Studio, Xcode, App Store, Google Play Console
- **Game Development:** Unity, OSVR, VICON, VRPN
- **AI:** TensorFlow
- **Blockchain:** Solidity, web3.js, openZeppelin, Truffle
- **Methodologies:** Agile
- **Other Tools:** REST API tools, Postman, IntelliJ, Visual Studio, Matlab, Maven, Gradle, NPM, JSON, TizenOS, Confluence, JIRA

Experience

Amaris

January 2025 - Present

Senior Backend & DevOps Engineer - Full-time

Naples, Italy

Provided consulting for Flutter SEA at Sisal, developing multiple Spring Boot Java-based microservices, migrating and maintaining legacy applications, and mentoring new team members.

- Rewrote legacy Java 1.7 code using Spring Boot and modern technologies; leveraged Spring Cloud for service orchestration and applied contemporary design patterns to ensure clean, high-performance code.
- Managed OAuth2 and JWT-based authentication, user registration, and asynchronous job scheduling for Java applications across 4+ countries. Worked with Oracle databases, promptly resolving bugs and issues to ensure a smooth, reliable, and high-performance workflow.
- Designed the migration strategy for transitioning legacy WebLogic-based applications to Apache TomEE for deployment in Kubernetes clusters. Successfully migrated over 7 projects, delivering a fast, scalable solution with a clear and effective execution plan.

Lasting Dynamics

September 2021 - December 2024

Tech & Team Lead / Senior Backend & DevOps Engineer - Full-time

Las Palmas de Gran Canaria, Spain

Led backend and DevOps initiatives, facilitating project advancements and providing expert guidance to the development team in a technical leadership role.

- Developed backend tasks, resolved critical blockers, managed complex distributed systems design, and conducted detailed code reviews for 9 projects across diverse domains, enhancing productivity and cooperativeness.
- Managed relational databases for large user bases and spearheaded the design of new database models and features.
- Led and managed an 8-member cross-functional team for a FinTech project, leveraging Go, PostgreSQL, Git, Docker, and Redis. Introduced new payment providers like Worldpay and RS2, expanded global payment processing, implemented robust unit and feature tests, ensured adherence to OWASP Top 10 security principles, and improved API response times by 77%..
- Spearheaded the development of a manga community platform serving over 2 million users using Node.js, TypeScript, PostgreSQL, and Docker, doubling revenue by integrating payment providers Shift4 for fiat transactions and CoinGate for cryptocurrency.
- Developed and managed the creation of an internal e-commerce shop generator using PHP, PHPUnit, Laravel, PostgreSQL, Git, and Docker, integrating payment providers such as Klarna, PayPal, and Stripe to enable quick onboarding and improve customer satisfaction.
- Developed a support website for neuroscientists using Python, Flask, Celery, PostgreSQL, and S3 for uploading large data files, significantly improving upload speed by 83% and API efficiency.
- Led backend and DevOps operations for a finance mobile application using Ruby, Fastlane, OneSignal, and Bash, ensuring reliable deployment on both Android and iOS stores. Developed SPID and CIE authentication methods with React Native, expanding the user base, and enabling efficient push notifications.
- Developed an internal software using Node.js, Express, Zoho, and Dropbox to automate the processing of employee-submitted invoices, streamlining and simplifying the workflow.
- Managed three AWS-hosted infrastructure environments, leveraging Kubernetes, Kustomize, and FluxCD to ensure high performance, scalability, and resilience. Enhanced security and observability by implementing CloudWatch and CloudTrail for centralized logging and monitoring, WAF for threat protection, and Inspector to identify and remediate image vulnerabilities promptly. Optimized delivery and user experience using CloudFront for CDN caching, Application Load Balancers (ALB) for efficient traffic distribution, and RDS for reliable database management. Supported fast messaging and email delivery with SNS and SES services, maintaining a secure and robust cloud ecosystem aligned with best practices.
- Oversaw CI/CD pipelines for the company and customers across 10+ projects using Jenkins, optimizing deployments for both web and mobile applications.
- Managed the company's cloud infrastructure across 9 namespaces using Docker, Jenkins, Bash, and a custom Kubernetes cluster hosted on Hetzner, ensuring consistent deployments and reliable service performance.
- Created precise documentation using UML-based diagrams to support system understanding, speeding up employee onboarding and system understanding.
- Enhanced team support by providing quick technical solutions, delivering long-term improvements, and fostering overall team effectiveness.
- Deconstructed user stories and managed sprint estimations using Agile methodologies, improving team efficiency and ensuring accurate deadlines.

Netcom Group

Team Lead / Full-stack Engineer - Full-time

October 2016 - September 2021

Naples, Italy

Contributed to multiple projects across various domains such as public administration, mobility, and healthcare, gaining experience in both team-oriented and independent roles.

- Mentored and led cross-functional teams of up to six members, effectively resolving bottlenecks, streamlining workflows, and driving the achievement of critical project milestones through enhanced collaboration and strategic guidance.
- Spearheaded the development of an apprenticeship management application with a secure JWT-based authentication flow and interactive district selection via Leaflet maps, leveraging Java, Spring Framework, Angular, and MySQL, significantly enhancing map quality and overall user experience.
- Led the development and implementation of advanced backend REST microservices, accompanied by JUnit testing, for a mobility project using Java, Spring Framework, and MySQL, significantly improving performance by 55% and application scalability.
- Implemented a dashboard to summarize automated test results using Java, Spring Framework, MySQL, Git, and Angular, improving visibility and increasing error identification by 62%.
- Engineered full-stack web applications using the Liferay platform, Java, and JSF (with PrimeFaces) for public administration and governance authorities, streamlining processes and boosting user engagement.
- Created an easy-to-use framework in Python to simplify Selenium usage, enabling non-developers to write tests with Pytest efficiently.

- Developed native Android applications for a leading museum using Java and TensorFlow, training on-device models to automatically recognize in-museum contexts and deliver contextual content, enhancing visitor experience and contributing to increased attendance.
- Developed an admin panel for a prestigious museum to manage visitor check-ins and check-outs with real-time updates, and monitor the battery status of audio-guide tablets, using Java, Spring MVC, Hibernate, WebSocket, HTML, CSS, JavaScript, JSP, MySQL, and ADB. This enhanced visitor management and improved control over tablet battery levels.
- Developed a streaming multimedia platform using the BrightScript proprietary language, improving both video quality and software performance.
- Developed a first-person educational game using Unity and C#, using Wavefront OBJ files to replicate real-world scenarios. The game offered an engaging learning experience and received positive feedback from users.
- Developed a company's internal system for managing incoming protocols (emails and scans) using the Liferay platform with Java, MySQL, JSP, and Ajax, enabling custom internal actions.
- Implemented the company's radio application on Samsung SmartTV using TizenOS, HTML, CSS, and JavaScript.

Digital Comoedia

April 2016 - September 2016

Software Developer - Internship

Naples, Italy

Worked on a project that aimed to emulate virtual reality input devices, achieving successful results and desired outcomes.

- Implemented a simulator in C++ that emulates virtual reality input devices, such as controllers like the VICON APEX, virtual reality HMD, or other virtual reality joysticks, using the VRPN (Virtual Reality Protocol Network).
- Developed a real-time simulation scene in Unity 3D using C#, integrating real-time input from the C++ software mentioned above.
- Set up the VICON motion capture system, including calibration of IR Bonita cameras and custom object tracking by retroreflective markers.

Education

University of Naples Federico II

April 2017

Bachelor's degree, Computer Science

Naples, Italy

Principal subjects: Mathematics, Algebra, Physics, Geometry, Programming (C/C++, Java, SQL, PL/SQL, UML), Architecture of calculators, Database, Informative multimedia systems (Theory of image/video/audio processing and GPS operating principles), Algorithm and data structures, Operating systems (Linux, low-level C), Statistics, Computer Networks, Computer Theory, Software Engineering.

Thesis title: *Simulation of input virtual reality devices utilized in a training platform environment.*

Certifications

- PC software and Hardware Assistance

December 2013

Languages

- Italian: mother tongue
- English: C1
- Spanish: A2