

Claudio Procentese

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SUMMARY

Senior Python developer with 10+ years of experience building scalable, high-performance backend systems. I focus on writing clean, maintainable code and designing services that are reliable and easy to work with. I enjoy solving real-world problems with practical, effective solutions and continuously look for ways to streamline development and improve team efficiency.

SKILLS

Languages: Python (primary), Js, Java, PHP, C

Python Ecosystem: FastAPI, Django Ninja, Pydantic, Celery, Pandas, NumPy, asyncio

Testing & QA: Pytest, Selenium, Unit/Integration testing, Test-driven development

Databases: PostgreSQL, MySQL, MongoDB, MS SQL Server

DevOps & Tools: Docker, Git, CI/CD (Jenkins, Buddy, GitHub Actions), Linux (shell scripting)

Cloud & Monitoring: AWS (EC2, S3, Lambda), Datadog (metrics, logs, APM)

Spoken Languages: English (work proficiency), Italian (native)

EXPERIENCE

Senior Software Engineer II

Protecht

March 2022 - Present, Phoenix, AZ

- Rebuilt a legacy platform into a scalable, configurable system with modern architecture.
- Improved performance by 80%, maintaining subsecond response times at 400k requests per day.
- Took ownership of the system architecture and backend implementation, from design through deployment.
- Provided technical guidance and code reviews to junior developers, raising code quality and team velocity.

Senior Software Engineer

Nivigroup S.p.A

March 2014 - February 2023, Florence, Italy

- Developed a Python web app to collect, process, and present financial data used for business reporting.
- Led backend development for interactive Python projects on multi-touch devices used in surveillance and urban monitoring.
- Handled AWS infrastructure and deployment pipelines to keep services running reliably and updates running smoothly.

J2EE Developer

Engineering S.p.A

April 2012 - January 2014, Florence, Italy

- Worked on ERP modules supporting public healthcare workflows, including scheduling, payments, and HR.
- Helped modernize the frontend to improve system usability and align with updated standards.
- Handled system debugging and post-issue analysis to ensure continuous service availability.

J2EE Developer

Bank Monte dei paschi di Siena S.p.A

June 2011 - March 2012, Siena, Italy

- Developed Java applications using Spring that integrated with an ERP system to generate large batches of banking transaction PDFs.
- Built EJB-based web services to handle data exchange between systems.
- Introduced Spring Batch to improve workload handling, cutting memory usage, and speeding up processing times.

J2EE/PHP developer

Infocube S.r.l

October 2009 - January 2011, Naples

- Contributed to Java software for rail infrastructure projects, supporting labor and material cost planning.
- Worked on PHP-based e-commerce platforms and websites, focused on usability and backend functionality.

- Improved legacy code stability and reduced disruptions by identifying and fixing long-standing issues.

Java Developer

Engineering S.r.l

September 2008 – October 2009, Naples, Italy

- Built a Java/Swing CRM (Asterisk PBX) for a call center, improving how agents managed customer interactions.
- Delivered full-stack features for CakePHP websites with a focus on usability and speed.
- Created a custom eBay listing tool that simplified day-to-day operations for store admins.

PHP Developer

Muir & Associates

January 2005 – January 2007, Jacksonville, FL

- Worked on a PHP platform for credit recovery, improving process efficiency and user flow.
- Refactored and cleaned up legacy code for easier long-term maintenance.
- Hardened security features in login and access control systems.

EDUCATION

Bachelor of Science in Computer Science

University of Naples "Federico II" • Naples, Italy
