Stefano Dalla Palma, PhD - Software Engineer

LinkedIn | Github | Medium | Coursera | Google Scholar

Summary

PhD in Software Engineering with **5+ years of expertise** in software design, development, and scientific research. I bring strong proficiency in software development, **delivering high-quality solutions.** I strive to be a catalyst for improving engineering practices and quality through **mentoring**, knowledge sharing, **and unblocking colleagues via automation.** Committed to long-term professional growth, I aim to make a meaningful impact on organizational success.

Experience

Adyen (2+ years)
Software Engineering R&D Mar 2025 - Present
Applied Research | GenAI | Static Analysis

- **Applied research (coming soon):** Static analysis + LLMs for code remediation.

Software Engineer Dec 2022 - Mar 2025 (2+ years) [learn more]
Development | Mentoring | Training

Scaled the Adyen Tech Academy [blog] platform, supporting training sessions and enabling 2,000+ engineers to upskill over two years.

- **Owned and maintained full-stack development** of a training scheduling platform, automating enrollments and notifications via Google Calendar, Zoom, and Mattermost APIs. The system **processed 20,000+ enrollments across 1,500+ sessions**, improving accessibility and engagement.
- **Delivered 100+ technical training sessions** to **400+ engineers**, covering internal frameworks, software design, and best practices.
- **Mentored and upskilled** 10 tech support engineers, transitioning them into full-time development roles.
- **Optimized operational workflows**, reducing multi-day manual tasks to **minutes** via automation, cutting errors, and freeing engineers for high-impact work.
- Implemented **CI/CD** pipelines and deployed services on Kubernetes.

Tilburg University - PhD Candidate [thesis] Feb 2019 - Mar 2023 (4 years)
Empirical Research | Machine Learning | Scientific Writing

- **Conducted advanced research** on machine learning-based defect prediction focusing on improving reliability and maintainability of cloud-based services through predictive modeling.
- **Designed and developed open-source tool suites** for early defect detection and resolution of potential issues.
- **Led empirical experimentation** to validate model effectiveness, and **communicated findings** to academic peers in top-tier journals and conferences and industrial partners, contributing to the success and knowledge dissemination of the RADON project funded by the European Commission.
- **Assisted in teaching** the "Introduction to Machine Learning" course.

Featured Skills

- **Dev:** Java | Python | Kotlin | Docker | CI/CD
- **Frameworks:** SpringBoot | FastApi | pyDriller | sklearn | imblearn | deap
- **Machine Learning:** Un/supervised | Basic Neural Networks | GenAI
- **Communication:** Teamwork | Public Speaking | Scientific Writing | Teaching

- **Critical Thinking:** Problem Solving | Research
- **Leadership:** Decision Making | Project Management | Mentoring