

ANDREA PASSAGLIA

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SOFTWARE ENGINEER

Results-focused professional that leverages talent to express complex relationships between objects using abstraction layers to improve performance and debug issues in development. Credited with strong ability to identify trends, develop competitive strategies and execute strategically planned projects. Effective in improving development results by integrating research and designing custom landscapes tailored to end users. Proven expertise in system analysis and requirements design. Accomplished in collaborating on Agile projects with cross-organizational and cross-cultural teams.

- Continuous Integration
- Prototyping
- Business Analysis
- Testing & Efficiency Optimization
- Distributed Systems
- Diagnostics & Resolution
- Micro Services & Refactoring
- Performance & Code Evaluations
- Training & Mentoring

TECHNICAL PROFICIENCY

Java/Scala, Javascript, Unix, Apple, Web Frameworks, PHP, git, Pen & Paper

KEY ACCOMPLISHMENTS

- Published the *Feasibility of Moderating a peer-to-peer CDN System*, in the IEEE, a study on feasibility of a fully distributed, peer-to-peer based CDN system providing quality through well-defined roles of user/administrator.

PROFESSIONAL EXPERIENCE

[PACKT] PUBLISHING - Author

Jul 2016 - Present

- Currently authoring a cookbook on Vue, an MVVM framework library in the context of service oriented infrastructures.

ADALTE, Software Engineer - PHP & Node, Genoa, Italy

Nov 2015 - Present

- Spearhead the transition of a legacy workhorse into a modern, asynchronous and redundant system, one UI component at a time leveraging next-gen technologies.
- Increase speed by incorporating reactive patterns to connect PHP with Redis for fast chunked AJAX responses.
- Drive projects through the pipeline to achieve project deadlines by determining clear end user requirements, outlining roadmaps to resolution and closely monitoring deviations from targets using Redmine issue tracker.
- Track recurring issues to drive resolutions at the root-cause level with continuous improvement initiatives in development of high-quality reusable code.

iKRIX, Software Engineer - Java EE & Scala, Genoa, Italy

Jan 2015 - Nov 2015

- Achieved better scaling by laying down the architecture and helping to build an intuitive system to track stock amounts and curate the transactional/mass mailing system to maximize reach.
- Mitigated performance vulnerabilities within the development environment by designing high performance SQL queries for extracting, transforming and loading data.
- Enhanced the user experience with development of easy to use functions and stability using Java EE world, EJB, JPA, CDI, JBoss and Hibernate.
- Improved development results by integrating research, defining strategies and designing custom landscapes for test suites for components with strong testing and code reviews before launch.

C&CT, Computer Engineer - Consultant, Rome, Italy

Jan 2014 - Dec 2014

- Served as a technical resource, offering guidance in choosing network and device architecture and distributed system configuration for a sensor network.

ORDER OF MALTA, Computer Engineer (Contract Project), Genoa, Italy

Jun 2012 - Feb 2014

- Developed a computer system to digitalize medical records and deliver smooth integration with 80K paper records already in place within tight performance, security and budget constraints.
- Advanced programming standards by developing reusable code and proactively collaborating with the cross-departmental staff in data collection, project scope and warranted deliverables.

EDUCATION

MSc, Computer Engineering, University of Genoa 2014