Jean Michel Rouly

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Skills

Languages	Scala, Java, Python, Javascript, Typescript, SQL, C, HTML, CSS, R, PHP
Frameworks	Akka, Reactive Streams, Play, Angular, Django, Flask
Databases	Postgres, Elasticsearch
Tools	Bash, Git, Docker, AWS, sbt, npm, gpg, svn, Jenkins, Datadog
OS	Linux, Mac, Windows
etc.	dependency injection, functional programming, testing, microservices, mentorship

Work

Principal Software Engineer   **2019 - Present**
Senior Software Engineer   **2016 - 2019**
Software Engineer   **2015 - 2016**
Rally Health   rallyhealth.com

- Architected and developed greenfield microservice-based application.   scala
- Scaled microservice-based architecture to millions of customers.   functional programming
- Managed production deploys, served on-call, supported 24/7 live site.   microservices
- Designed and optimized multiple ETL pipelines.   healthcare
- Designed, implemented, and maintained Jenkins CI pipelines.
- Built internal developer tooling and common infrastructure.
- Instrumented performance and monitoring metrics.
- Advocated for secure software development.
- Implemented security engineering goals.
- Mentored junior developers.

Lead Project Developer   **2013 - 2015**
George Mason University   honorscollege.gmu.edu

- Developed peer-review research aid for university students.   python
- Maintained multiple Linux servers hosting online content.   education
- Collaborated with research mentors to increase service value.   open source

Java Programming Consultant   **2012 - 2013**
Harmonia   harmonia.com

- Created components of a Learning Classifier engine.   java
- Collaborated with project manager on systems architecture design.   machine learning
- Designed and implemented complex graphical user interfaces.   contracting

Education

M.S., Computer Science, Georgia Institute of Technology   **2017 - 2018**
B.S., Computer Science, George Mason University, *summa cum laude*   **2011 - 2015**

Publications

- What Are We Teaching?: Automated Evaluation of CS Curricula Content Using Topic Modeling. In *Proceedings of the eleventh annual International Conference on International Computing Education Research.*
- Usability and Suitability Survey of Features in Visual IDES for Non-Programmers. In *Proceedings of the 5th Workshop on Evaluation and Usability of Programming Languages and Tools, PLATEAU '14.*
- Parallel Hierarchical Affinity Propagation with MapReduce. In *2013 IEEE 5th International Conference on Cloud Computing Technology and Science (CloudCom).*