Michel Rouly

location Washington, DC
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web   michel.rouly.net
git   github.com/jrouly
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Skills

languages scala, python, java, javascript, typescript, sql, html, css
libraries play, akka (actors, streams), cats, django, flask
data   postgres, elasticsearch, redis, hdfs
os   linux, mac, windows
etc   bash, git, docker, aws, sbt, npm, gpg, svn, jenkins, datadog

Work

Rally Health {scala, functional, microservices, healthcare}   (rallyhealth.com)
Principal Software Engineer   **2019 – pres**
Senior Software Engineer   **2016 – 2019**
Software Engineer   **2015 – 2016**

- Architected and developed greenfield microservice-based application.
- Scaled microservice-based architecture to millions of customers.
- Managed production deploys, served on-call, supported 24/7 live site.
- Designed and optimized multiple ETL pipelines.
- 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.

George Mason University {python, education, open source}   (honorscollege.gmu.edu)
Lead Project Developer   **2013 – 2015**

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

Harmonia {java, machine learning}   (harmonia.com)
Java Programming Consultant   **2012 – 2013**

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

Education

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

Publications

2015 ACM doi.org/10.1145/2787622.2787723
2014 ACM doi.org/10.1145/2688204.2688207
2014 IEEE doi.org/10.1109/IC2E.2014.42