

Michel Rouly

Washington, DC

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Skills

languages scala, python, java, javascript, typescript, sql
libraries play, akka (streams, actors), alpakka, cats
data postgres, elasticsearch, redis, hdfs
devops docker, kubernetes, terraform, aws (various), jenkins, datadog
os linux, mac, windows
etc bash, git, sbt, npm, gpg, svn, openAPI

Work

Rally Health {scala, functional, microservices, healthcare} (rallyhealth.com)
Principal Software Engineer 11/2019 - present
Senior Software Engineer 06/2016 - 11/2019
Software Engineer 09/2015 - 06/2016

- Architected and developed greenfield user facing microservice-based applications in Scala using the Play framework.
- Scaled microservice-based architectures to millions of customers.
- Managed production deploys, served on-call rotations, supported 24/7 live site.
- Designed and optimized ETL pipelines using Akka Streams, accelerating data ingestion velocity and increasing data quality standards.
- Designed, implemented, and maintained Jenkinsfile CI pipelines, preparing for CD.
- Built internal developer tooling including sbt plugins, focusing on automation and reducing developer toil.
- Instrumented performance and live site monitoring metrics with Datadog, increasing observability and reducing application downtime.
- Mentored and leveled up numerous junior developers.
- Advocated for secure software development with a focus on user privacy.
- Implemented security engineering goals, hardening applications against known and anticipated abuse cases.

George Mason University {python, education, open source} (honorscollege.gmu.edu)
Lead Project Developer 08/2013 - 01/2015

- 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 06/2012 - 06/2013

- 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 01/2017 - 12/2018
B.S. Computer Science, George Mason University, *summa cum laude* 08/2011 - 06/2015

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