

Skills

Languages	Scala, Java, Python, Javascript, Typescript, SQL, C, HTML, CSS, R, PHP
Frameworks	Akka, Play, Angular, Django, Flask
Databases	Postgres, Elasticsearch
Tools	Bash, Git, Docker, AWS, sbt, npm, gpg, svn, Jenkins
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

- Built foundations for greenfield microservice-based application. scala
- Scaled microservice-based architecture to millions of customers. functional programming
- Served on-call, managed production deploys and live-site support. microservices
- Architected and optimized multiple ETL pipelines. healthcare
- Utilized modern reactive stream technology.
- Mentored and helped junior developers grow.
- Built developer tooling and common infrastructure.

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, <i>summa cum laude</i>	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)*.