
GRAHAM JONES

SENIOR SOFTWARE ENGINEER

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Profile

Senior software developer working in full-stack development, technical research, and team management. I define requirements with stakeholders, provide proof-of-concept implementations and lead teams to produce a final product.

Work

LegitScript

Senior Software Engineer

2017-current

Lead and contribute in a team of developers and architect projects including distributed web scraping (Python / Redis / MySQL / AWS), machine learning improve analyst efficiency (Pandas / Tensorflow / SageMaker), and other work (Typescript / Elasticsearch / see below). Work with product management to add technical + business insight into planning, estimation and implementation.

Software Engineer

2015-2017

Full-stack web application development (Rails / AngularJS / React / Clojure / Java / Redis / MySQL). Architecting and implementation of a data warehousing system for storing (Cassandra, S3) and fetching/processing (distributed system via Cassandra/Clojure/AWS) tens of billions of records.

InSilico

Lead Software Engineer

2013-2014

Architected and developed applications and features, documented and performed maintenance on existing systems. Performed system administration (bash automation + manual configuration, Puppet, Vagrant, Salt, Python), development on iOS/Objective-C / PhoneGap), web (Ruby on Rails, Django, Javascript, NodeJS, Clojure) with databases (SQL, NoSQL), OSX (Objective-C / C++), and embedded systems (C).

Southern Oregon University

Research Lab Manager

2009-2012

Managed the Research and Networking lab set aside for CS students. Duties included network and computer setup for labs, sysadmin of a VMware vSphere host with 10-20 virtual machines for students and faculty, and troubleshooting for students across a variety of programs and platforms (Linux, Windows, LAMP, WireShark, iptables, etc).

Skills

Full-stack development Direction

Involved in all levels of development, from front-end to hardware. History of learning and adapting to new technologies, frameworks, and systems. Specializes in back-end application development.

Responsible for architecting feature implementations based on stakeholder requirements. Experienced translating high-level business goals into concrete, parallelizable work.

Research

Given requirements, able to develop proof-of-concept products, patterns and documentation to more confidently estimate technical capacity and profitability. Presented original security research at Black Hat 2017.

Technical

Languages

Javascript / Typescript
Python (2/3)
Clojure
Java
Ruby
C / C++
Objective-C

DB / Frameworks

SQL (MySQL, Postgres)
NoSQL (Elasticsearch, Cassandra,
Redis, MongoDB)
Rails
Angular / React
Django

Services + Tools

AWS ecosystem (Lambda, Step
Functions, RDS, VPC, IAM, etc)
Docker / Docker Compose
Git / SVN
Ansible / Packer
Linux / OS X

Education

Southern Oregon University
Bachelor of Science in Computer Science
Bachelor of Science in Theatre Arts

2008 - 2012

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