Robert **Pierce**

SOFTWARE ENGINEER

2105 Providence Oaks St, Milton, Ga 30009

(678) 772-7595 | rpierce3@gmail.com | github.com/robert-pierce | linkedin.com/in/rpierce31

Skills

Go	Clojure	Node	PHP	Docker	AWS
Microservices	Distributed Systems		Functional Programming		Full Stack

Experience

CareerBuilder *Norcross, Georgia*
SOFTWARE ENGINEER I *June 2016 - Present*
- Develop and maintain an ecosystem of microservices using Go, Clojure, Docker, CircleCI, AWS, and CoreOS
- Develop and support a monolithic applicant tracking product using PHP, and Javascript
- Build tooling for internal customers using Clojure, Go, Javascript, and Elm
- Work closely with all the technology interns at the company as the intern ambassador

CareerBuilder *Norcross, Georgia*
SOFTWARE ENGINEERING INTERN *January 2016 - April 2016*
- Automated the team build process using Docker, CircleCI, Quay.io, and CoreOS
- Integrated metrics using StatsD and Datadog into microservices using Go
- Developed a microservice using Clojure to aid in parsing of resumes

Georgia Institute of Technology *Atlanta, Georgia*
TEACHING ASSISTANT *May 2015 - December 2015*
- Taught and planned recitations for about 50 students on a weekly basis
- Graded proofs for a Crytpography and Number Theory class

The Brand Banking Company *Lawrenceville, Georgia*
BANKING OFFICER *June 2006 - January 2008*
- Underwrote and presented loans for VIP customers to the bank's credit approval board

Education

Georgia Institute of Technology *Atlanta, Georgia*
BS IN COMPUTER SCIENCE *August 2014 - December 2016*
- GPA: 3.8

University of South Carolina *Columbia, South Carolina*
MA IN ECONOMICS *August 2008 - December 2012*
- Thesis: *Long-Term Effects of Birth Related Leave on Academic Achievement*

Georgia Southern University *Statesboro, Georgia*
BBA IN FINANCE *August 2002 - May 2006*
- Honors: *cum laude*

Projects

Indeed Integration
CAREERBUILDER - CANDIDATES TEAM
- Built an XML feed to be consumed by indeed.com that publishes every active job for a given instance of the applicant tracking product
- Built the frontend additions to the applicant tracking service to give customers the option of publishing their jobs the Indeed Feed
- Worked with another developer to build the backend service in Go that consumes candidate applications from indeed.com, parses their resumes, and uploads the candidate to the appropriate job within the applicant tracking product

TSR Health Check Service
CAREERBUILDER - CANDIDATES TEAM
- Designed and constructed a microservice in Go that checks the health of over 600 instances of CareerBuilder's Applicant Tracking product
- The service queries all systems every 10 minutes and is used by serveral internal customers
- The service alerts and pages, when appropriate, whenever a system fails a health inspection

TSR User Service

- One of three team members to design and build a microservice in Go to implement single sign on for CareerBuilder's Applicant Tracking product
- The service allows users of an applicant tracking product to login via CareerBuilder's homepage
- The service has a frontend developed in Elm and PHP that is used by internal customers and end users for troubleshooting

Bucket Keeper Microservice

- Developed a microservice in Clojure that retrieves resumes from AWS, decompresses them, and forwards them to a parsing service
- The service handles approximately 200,000 requests a day with intermittent large spikes in volume
- The service has had zero downtime due to performance issues

Automated Build Process

- Used the CircleCI integration tool to automate the team's manual build and deployment process
- Currently supports the team's Go and Clojure microservices

Elliptic Curve Cryptography Video

- Wrote and Produced a YouTube video explaining the theory behind the Elliptic Curve Diffie-Hellman Algorithm
- One of the most popular videos covering the subject on YouTube with almost 70,000 views