Patrick Gray

Computer Engineer

Personal Info.

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Languages/Tools

Languages:	Go, Bash, C, Rust
Tools and Technologies:	Git, Docker, Kubernetes, Terraform, AWS/GCP/Azure, CoreOS

Education

Sep 2009 - May 2013

Bachelor of Science in Electrical and Computer Engineering
Rutgers, The State University of New Jersey

Computer Architecture and Assembly Language, Digital Logic Design, Programming Methodology I and II, Operating System Design, Software Engineering, Parallel and Distributed Computing, Virtual Reality, Network Centric Programming

Work History

Nov 2016 - Present

Infrastructure Engineer at Layer, Inc.
layer.com

Built developer tools and infrastructural services (minikube and Go). Converted production infrastructure from CoreOS to run in Kubernetes, and then utilized the work to build another production cluster quickly on Azure to attain a large customer. Aided in operational design/audit of services.

May 2015 - Nov 2016

Software Engineer, DevOps at Conductor, Inc.
conductor.com

Built AWS infrastructure with Terraform and other open source tools. Contributed back to OSS projects. Wrote bash where we needed glue and Go where we needed tools. Taught developers how to use Docker, Terraform, and worked with them to build better tools.

Sep 2014 - May 2015

Linux/DevOps Engineer at Reliant Solutions
reliantsolutions.com

Responsible for managing multiple clients' AWS and in-store infrastructure with Puppet.

Nov 2013 - July 2014

IT Infrastructure Contractor at DIRECTV via RHT
lifeshield.com

Rewrote legacy warehouse software. Debugged an open source C email system (dbmail) to develop a way of cleaning a legacy database. Admin for Atlassian tools. Produced requirement documents and system diagrams for the technical side of a multi-million dollar project to bring in an MDM PaaS for customer devices.

Oct 2012 - Apr 2013

Web Dev. Intern at Professional Science Master's Program
psm.rutgers.edu

Department web developer/admin. Responsible for design and functionality changes of a Drupal site. Aided in moving the site to a virtual backend.

Jun 2012 - Aug 2012

Web Developer for Innovation Park@Rutgers
ipark.rutgers.edu

Built a Drupal website on Windows Server and customized the theme, functionality, and data types. Completed set goals early, allowing for refinements and changes to original plans while still under original development timeline.

Apr 2011 - Sep 2012

iOS/Web Dev. Intern at Rutgers Advanced Technology Extension
rate.rutgers.edu, hackerspace.rutgers.edu

Developed an iPad application for the continuing education User Experience Design course. Post-completion, focused on the development of Drupal websites using HTML/CSS and PHP.