

Derek Robati

Senior Software Engineer

Experience

- Jul 2018 **Director of Apps and Services,**
– Jan 2019 *Dispersive Technologies, Inc.*, Alpharetta.
- Introduced React and Go ecosystem that team developed and deployed.
 - Continued to develop features and fix bugs with team.
 - Developed a client-side React and Redux interface for healthchecking of network elements.
 - Maintained existing API and web interface.
 - Expanded knowledge base and onboarding material in wiki to share with team and other departments.
 - Taught others how and why to provision elements in system.
 - Supported a team of five responsible for four operating systems, web, and microservices.
- Jul 2016 **Senior Software Engineer,**
– Jul 2018 *Dispersive Technologies, Inc.*, Alpharetta.
- Developed an engineering dashboard with as a prototype of desired stack.
 - Developed features and bug fixes for our web admin and REST interface.
 - Involved in UI/UX designs and architecture discussions.
 - Developed unit tests for the REST interface.
 - Improved API docs adding versioning, success examples, ect.
 - Proposed, developed, and deployed GitLabs CE, git workflow, and continuous delivery of builds.
 - Developed prototype Kafka infrastructure that was deployable in multiple docker containers along with microservices written in Go.
 - Maintained our Jenkins server and all build nodes for each OS.
- May 2006 **R&D Engineer,**
– Jul 2016 *ADVA Optical Networking North America, Inc.*, Norcross.
- Software Production
 - Remote team-member with international team.
 - Implemented Pythonic abstractions of APIs for Collabnet, Artifactory, Jenkins, and Git Repositories.
 - Developed a change log generator linking commits to user stories.
 - Developed internal release notes system generating reports of build info and what changed.
 - Deployed simulation build infrastructure for testing builds on.
 - Developed artifactory cli tool for querying and fetching builds.

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R&D Engineer - Continued.

- Systems Integration Testing
 - Used Vagrant for unix test environment.
 - Proposed and implemented continuous integration workflow.
 - Development of test automation suites.
 - Developed automation Python framework.
 - Developed Test Set libraries.
 - Constructed test coverage from requirements for many products.
 - Demonstrated product functionality to current and potential clients.
- Test Engineer
 - Developed TestStand suites on test benches to examine limits of newly manufactured modules.
 - Developed internal website with Django to display Test Engineering projects to other departments.
- Internship
 - Learned technologies used in the fiber optical telecommunications field.
 - Calibrated equipment.
 - Learned telecommunication standards and protocols.
 - Extended wxPython application to support more features.

Education

- Aug 2009 **Bachelor of Science in Computer Science,**
– Dec 2011 *Southern Polytechnic State University, Marietta.*
Courses explored outside core degree classes include Digital Image Processing, OpenGL, and Distributed Computing.

Skills

Languages	Javascript, Golang, CoffeeScript, Python, Lisp, C++, C, Java, Perl, Ruby, PHP	Packages	React, Redux, Mux, Express, Django, PIL, Robot Framework, jQuery, d3.js, vagrant
Servers	Node.js, nginx, gunicorn, apache, twisted	Databases	PostgreSQL, MySQL, SQLite3, redis
Tools	vim, docker, emacs, bash, git	Web	HTML5, CSS3, bootstrap