Chris White

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Summary

I'm a 10+ year experienced AWS Automation Engineer developing with the Python programming language. Development of

Skills:
* AWS infrastructure such as IAM, VPC, Lambda, API Gateway, S3, DynamoDB
* Code development in Python including boto API, decorators, list comprehensions, functional tools, and Poetry based project dependency management
* Understanding of business processes and working with stakeholders to understand business needs

Career Highlights
* Developed a solution in Python to check production security alerts against GitHub repositories using GraphQL to turn a process of several hours into a few minutes
* Authored a GitHub template repository to handle bootstrapping new standardized Python/Terraform/GitHub Actions projects turning a task spanning multiple days into a few hours
* Led the team's documentation initiative ensuring that standard business procedures saving several hours on various tasks

Experience

r DevOps III

Rackspace Technology

Feb 2017 - Mar 2023 (6 years 2 months)
* Project task management
* Team mentoring and onboarding
* Pair programming when necessary to help resolve code related issues
* IaC development including custom solutions in both Terraform and CloudFormation to ensure internal support standards
* Development of code which prioritized maintainability over cleverness to ensure other team members could work on the codebase easy
* Python code development including more advanced features such as decorators, generators, and type hinting
* Multiple projects that run automation against a customer base in the thousands to ensure systems meet internal standards
* Creation of a template repository for bootstrapping projects that took a several day process down to a single day
* Development of code for notification of PR reviews in order to comply with PCI standards
* Deployment of infrastructure with various AWS technologies including DynamoDB, AWS Lambda, EC2, Auto Scaling, VPC, Step Functions, and API Gateway
* Understanding of scaling requirements when dealing with the AWS API on hyperscale accounts
* Documentation of internal processes and several codebases to reduce tribal knowledge
* Legacy migration of several codebases

* Face to face meetings with core stakeholders including demo presentations
* A seat on a steering committee to represent my team
* Familiar with Circle CI and GitHub actions CI/CD
* Unit tests via pytest to ensure code quality
* Able to compromise on business decisions when necessary
* Authoring of proposals to AWS for enhanced functionality
* Communication with external partners to resolve support issue when considered out of scope
* Light experience with React to develop stakeholder AI
* Console UI deployment using the python Click module

Software Engineer
Engine Yard
Aug 2011 - Oct 2016 (5 years 3 months)
• Collaborated on customer requested software packages, both new and updates including software with complex build systems such as PHP and MySQL (Percona)
• Improved platform operations by automating complex build and deployment processes from a multi-day task to a span of a few hours
• Prioritized project tasks with management in an agile environment, breaking into subtasks if any were deemed overcomplex
• Developed Ruby based interfaces to various AWS APIs and Verizon Enterprise eCloud's XML API
• Collaborated with the security team on ensuring compliance to host customers who required it
• Evaluated CVE reports of package vulnerabilities to assess the effect if any and research patch solutions for all versions required
• Determined legacy system upgrade feasibility by evaluating of multiple solutions, task definition, requirements documentation, and solution development
• Ensured documentation of all involved projects when feasible to enable knowledge sharing

Developer
Gentoo
Jul 2004 - Jun 2007 (3 years)
* x86 package stabilization
* ppc package stabilization
* perl package maintainer
* pda related packages maintainer
* amd64 package stabilization
* work with uClibc on server and desktop environments
* minor experience with embedded technologies
* minor experience with alpha architecture
* Author of shoutcast, mysql, postgres, ipaq, debugging, and bugzilla guides

Education

Regis University
BS, Computer Science
2009 - 2012

This is a program specifically for working professionals. Classes are taken online on a somewhat on demand format. To not intrude with my professional work, a majority of my class work is done on the weekends.

San Joaquin Delta College

Unfinished, Computer Science, Japanese
2002 - 2005
Volunteered as a Japanese tutoring assistant for the Japanese class I attended.

Skills

Jira • React.js • Terraform • AWS Lambda • AWS Step Functions • pytest • Poetry • Continuous Integration and Continuous Delivery (CI/CD) • Gentoo Linux • Process Automation