

Nicholas Kiermaier



nickkiermaier@gmail.com



<https://0foo.dev>

Summary

Experienced Systems Engineer with a demonstrated history of working in the information technology and services industry. Strong engineering professional with a Master's degree(all but thesis) and knowledge of all levels of the stack: infrastructure, data layer, middleware, and front end.

Experience



Site Reliability Engineer

LinkedIn

Mar 2022 - Mar 2023 (1 year 1 month)

Part of team managing build process of servers at scale building from bare metal to fully configured OS all controlled by in house python/bash applications configuring/controlling host via: IPMI, Kickstart, and numerous custom daemons interacting with package management and other configuration solutions

Part of team to manage enterprise scale internal yum infrastructure



Software Engineer III

Tulane National Primate Research Center

Nov 2019 - Mar 2022 (2 years 5 months)

Part of a team to transition the centerwide legacy LIMS to a more modern system.

The TNPRC LIMS manages the entire Primate Center and captures tens of thousands of records per month and millions of dollars in research funding.

Worked with Java, Javascript, Server Management, MSSQL databases.



Cloud Engineer

DXC Technology

Nov 2018 - Nov 2019 (1 year 1 month)

Member of a team developing a managed services application for clients that automates infrastructure, security, backups, and monitoring.

AWS offerings: Config, Cloudwatch, Cloudformation, Lambda, CodeBuild, EC2, SSM, Secrets Manager, Workspaces, S3, EFS, IAM, Guard Duty, VPC

Other tools: Docker, Troposphere, Python, Linux, Git

Agile: Jira, Scrum, Standups, Retro



Software Engineer/Systems Engineer

Nov 2016 - Jul 2018 (1 year 9 months)

Develop, troubleshoot, and maintain PHP and Javascript applications for the marketing industry.

Solve emergent engineering problems to leverage millions of records of data to provide business value in the marketing industry

Implement dashboard solutions to provide visualization and statistical analysis of data

Languages: Php 7+, Python, Javascript

Cloud: AWS-SQS, Lambda, ECS, EC2, EFS, VPC, S3, Route 53, ELB, Athena

Containerization: Docker, ECS

Frameworks: Laravel, Symfony, RiotJs

Datastores: RDS, MySql, Postgres, Redshift, EFS, S3

OS: Linux

Other Tools: Artilleryjs, Serverless, Git, Nightmarejs, Casperjs, Private Packagist, Sentry, Uptrends

IDE: PhpStorm, Sublime, Atom

Agile: Jira, Trello, Scrum, Standups, Retrospectives



Web Developer

Force Multiplier Solutions

Mar 2015 - Nov 2016 (1 year 9 months)

Develop, troubleshoot, and maintain Rails, Python, and PHP applications for the transportation industry.

Implement data abstraction layers/parsers for software interfaces between different organizations.

Implement on time arrival solutions for transit organizations using real time GPS.

Implement Rspec tests and Factory girl factories for Rails applications.

Technologies used: Ruby on Rails, Rspec, Factory Girl, Linux, GTFS, KML, GPS



Graduate Assistant

University of New Orleans

Aug 2012 - Feb 2015 (2 years 7 months)

Developed and maintained internal/external websites using HTML\CSS\JavaScript, Java, JSP, Wordpress.

Participated in release management of proprietary field research software into thin client devices.

Assisted laboratory staff with computer lab management and provided technical support help

Assisted math and computer science faculty and staff with technology support related issues.



Systems Engineer II

Tulane University

Feb 2011 - Aug 2012 (1 year 7 months)

Imaging, backup, configuration of Microsoft and Linux servers

Managed software configurations, builds, and deployments in both Windows and Mac OS X environments.

Provided technical support to researchers, doctors, and scientists with software related issues.

Technologies used included: Windows Server, Mac Os X, Linux.

Education



Louisiana State University

Bachelor's degree, Biology/Biological Sciences, General

2003 - 2007



University of New Orleans

Master's degree, Computer Science

2012 - 2016

Licenses & Certifications



CCENT - Cisco

Issued Jan 2015 - Expires Jan 2018



Amazon Web Services Developer - Associate - Amazon

Issued Nov 2019 - Expires Nov 2022

3P97PVVCME11Q05D



(CKAD) Certified Kubernetes Application Developer - The Linux Foundation

Issued Nov 2020 - Expires Nov 2023

LF-bsfewf3gvw

Skills

Bash • Python • Git • SQL • Linux • JavaScript • Cascading Style Sheets (CSS) • Networking •
Amazon Web Services (AWS) • Kubernetes