Edward Anderson

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SKILLS

SOFTWARE ENGINEERING
8 years, 25+ apps, 100k+ lines:
Ruby and Rails
JavaScript / CoffeeScript
Deployment Automation

DEVOPS INFRASTRUCTURE
1.5 years hands-on
Docker for Devs • Application Metrics
Continuous Delivery • On-Call Alerting
Continuous Integration • Dev Tooling
AWS • Google Cloud Platform
Feature Flag Release

6 months research & planning
Kubernetes • PCI Security Compliance
Docker Swarm • Distributed Storage

EDUCATION

GEORGIA TECH
Masters in Computer Science
2014 – 2017, 3.50 GPA

Capstone Project
Collaborated with Katrina Owen
(GitHub issue) to study gamification's
effect on intrinsic motivation in code
reviewers on exercism.io.

Coursework
Software Engineering
Information Security
Machine Learning
Artificial Intelligence

NC STATE UNIVERSITY
BS in Computer Science
3.57 GPA
- President of NCSU Linux Users Group, 3.5 years
- College of Engineering Outstanding Senior Award for Leadership
- Marshal for Computer Science Graduation Ceremony, 3 semesters
- Chinese Language Department's Outstanding Achievement Award

LINKS

GitHub:// **nilbus**
LinkedIn:// **nilbus**
Twitter:// **@nilbus**
portfolio:// **nilbus.com**
blog:// **blog.nilbus.com**

STRENGTHS

Empathizing with users and other developers, and working to resolve pain points
Writing **code that others can understand**, reason about, and maintain over time
Contributing to and finding answers **efficiently in unfamiliar codebases**

EXPERIENCE

ON-SITE remote, from Holly Springs, NC
DevOps Lead
Apr – Sept 2017
- Planned and began moving on-prem VMs to cloud-based **Docker** & **Kubernetes**
- Strengthened security standards and maintained EI3PA **(PCI) compliance**
- Led day-to-day direction and planned **Scrum** sprints for the Operations team
- Coordinated efforts across teams and roles to achieve project goals
- Inspired teams with a vision of using **Docker**, **CD**, and Continuously Integrating

Software Engineering Manager
Jan 2016 – Apr 2017
- **Managed** and **mentored** 3 teams: 10 development and operations engineers
- Hired 6 excellent engineers after implementing a consistent and useful **interview process**; screened all candidates and extended offers to our best
- Directed the addition of **monitoring**, **metric instrumentation**, **centralized logging**, and an **on-call rotation**, decreasing Mean Time To Recover
- Coordinated activity surrounding outages, providing leadership during events
- Worked constantly to **remove pain points** and **improve developer experience**

Software Engineer
Apr 2013 – Jan 2016
- Extended and maintained a 17-year-old hybrid **JRuby/Java/Rails** monolith
- Implemented **RESTful APIs** for **SOA** cross-service communication
- Adhered to **TDD/BDD** testing philosophy with all new features
- Transitioned our team to an improved branching strategy and **Jenkins CI**
- Instituted a weekly Lunch & Learn training; taught **advanced Git** conflict resolution, OO design, navigating Git blame, reversible deployments, and more
- Saved thousands annually by automating renter screening dispute filing
- Automated QA setup & production deploy: cut turnaround from 4 days to 1 hr

SCIMED SOLUTIONS Durham, NC
Senior Ruby on Rails Developer
May 2010 – Mar 2013
- Crafted custom **Rails** applications for consulting clients in scientific fields
- Maintained Rails **API back-end** for mobile applications
- Built highly usable interfaces using **Backbone.js** and **jQuery**
- Interfaced directly with clients as a project manager and client liaison
- Open-sourced capistrano-windows-server gem for Windows deployments
- Taught conventions, refactoring, and tools at 20+ training meetings

THE NINTH CUT remote, from Raleigh, NC
Co-Founder
Jan 2008 – Apr 2010
- Developed entertainment database site using **Ruby on Rails**, **JavaScript**
- Captured screenshots from uploaded video using **Ruby** and mplayer
- Migrated dedicated servers to **Amazon EC2** compute and **S3** storage