

Edward Anderson

edward@nilbus.com • <https://nilbus.com>

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

April 2017 – present

- 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