

Brian Jinwright

Contact Information

Phone: (919)641-7105 | Location: Durham, NC | Email: bjinwright@qwigo.com

Summary

A seasoned Engineering Manager and software engineer with a rich background in leading engineering teams, delivering mission-critical applications, web development, database design (both relational and non-relational), cloud deployment systems, graphics, and UX design. Experienced in leading scrum and non-scrum engineering teams.

Employment History

Senior Software Engineer, Nuclei Inc.

Location: Holmdel, NJ (Remote) | September 2024 - Present

- Led the engineering effort for `compliance.nuclei.ai`, the company's UI application for Nuclei's compliance product.
- Enhanced the Chalice framework so it supports HTML response in addition to JSON response, supports encrypted JWTs, and integrates well with HTMX.
- Used Chalice (Python), HTMX, Alpine.js, and web components to build a rich interface for our DynamoDB based application.
- Also built capture integrations for the compliance product.
- Built infrastructure as code templates for DevOps workflows, as well as CI/CD templates.

Engineering Manager, Xplor - TrueCoach

Location: Boulder, CO (Remote) | April 2021 - May 2023

- Led the engineering team, setting priorities, managing engineers, and working closely with product and project managers for feature delivery and bug fixes.
- Implemented multiple measures to decrease fraud, enhancing the onboarding verification process.
- Led an effort to decrease AWS costs by 75%, resulting in a \$500k annual saving.
- Improved hiring and onboarding process.
- Successfully led a team of 13 (backend, frontend, and mobile) to deliver on major projects.

- Led a project to refactor Stripe integration, resulting in a 15% increase in revenue.

Test Automation Engineer, Xplor - Triib Inc.

Location: Boston, MA (Remote) | July 2019 - April 2021

- Doubled as a software engineer working on a Django for a SaaS application.
- Led the test automation effort, ensuring applications were well tested, performant, and efficient.
- Implemented Docker CI/CD for development servers.
- Improved test coverage and documented better test practices.
- Fixed numerous bugs with the Triib application.
- Managed multiple AWS services including EC2, S3, load balancers (ELB Classic and ALB), Route 53, Elasticache, RDS, VPC, CloudFront, Global Accelerator, ECS (Fargate), and Cloudformation templates.

Senior Site Reliability Engineer, MetaMetrics Inc.

Location: Durham, NC | January 2017 - July 2019

- Led the DevOps team, ensuring applications were accessible, performant, efficient, through careful automation and planning.
- Automated CI/CD deployment using Bitbucket Pipelines to deploy VPC services using AWS ECS Fargate or Zappa (Lambda).
- Migrated all services (20+) from EC2 based deployments to either AWS Lambda or Docker with AWS ECS Fargate deployments.
- Managed Docker deployments with ECS and ECS Fargate.
- Added comprehensive logging with Papertrail and comprehensive monitoring with Datadog.
- Most of the applications that I was responsible for were Python/Django applications.
- Architected a Single Page App based application that uses Amazon Cognito with JWTs, API Gateway, and Swagger templates for all APIs.

Senior Software Engineer, MetaMetrics Inc.

Location: Durham, NC | January 2016 - January 2017

- Leveraged AWS through Python, involved in DevOps decisions, API architecture, writing open source, and educating Junior Engineers on Python best practices.
- Development using Python and Django with multiple software and database systems.

Senior Full Stack Developer, Capstrat (now Ketchum Raleigh)

Location: Raleigh, NC | January 2015 - March 2016

- Worked on three large-scale Django/Python applications as a full-stack developer.

- Instituted new practices such as agile practices and revised project management protocols.

Senior Software Engineer, MetaMetrics Inc.

Location: Durham, NC | April 2010 - January 2015

- Led for Lexile.com and other connected brands.
- Development using Python and Django with multiple database systems.
- Responsible for most of the HTML/CSS on sites.

Independent Contractor (Django Web Developer), Semiconductor Research Corporation (SRC)

Location: Durham, NC | September 2009 - April 2010

- Worked as a Django/Python developer on SRC.org

Independent Contractor (Django Web Developer), Portland Studios

Location: Greenville, SC | January 2009 - January 2010

- Worked as a Django/Python developer on Ligonier.org

Webmaster, Wofford College

Location: Spartanburg, SC | July 2006 - August 2009

- Managed a team of six
- Won awards for a interactive map that I designed
- Was invited to speak at the University of London
- Wrote apps in .Net and Django

Web Developer, Norfolk State University

Location: Norfolk, VA | May 2005 - July 2006

- Developed internal tools and smaller web applications in PHP
- Developed key pages on the main nsu.edu website including the alumni giving page.

**Webmaster (Office of Continuing Professional Education),
George Mason University**

Location: Fairfax, VA | December 2004 - May 2005

- Redesigned the entire site
- Upgraded the server security
- Updated the backup practices.
- Developed PHP applications

Open Source Projects

- [Warrant](#)
- [DoCb](#)
- [Key](#)
- [Envs](#)

3rd Party Contributions

- [Zappa \(Core Developer\)](#)
- [Apache Libcloud](#)
- [Django Dynamodb Sessions](#)

Education

B.A. in Psychology, Hampton University, Hampton, VA., May 2004