

Nathaniel Compton

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Recent Professional Experience

Revel Systems • Software Engineer • (Nov. 2018 - Present)

Point of sale hardware + software solution for food and retail industries

- Backend-focused with ad hoc Front End / Fullstack work as required
- Founding member of Reporting and Analytics Team, implementing microservices architecture
- Assisted integration of legacy data pipelines to Domo data visualization suite through AWS
- Advanced SQL code refactoring, optimized database performance by up to 3 orders of magnitude
- Evangelized testing practices, improved unit test coverage by ~80% on new projects
- Co-lead CI/CD automation initiative; co-lead weekly junior/senior developer roundtables
- Direct involvement in Engineering hiring process (Coding assessments, Behavioral interviews)

Cup of Data • Software Engineer • (Sept. 2017 - Oct. 2018)

Cloud-based B2B lead generation and recommendation engine

- Full stack development of cloud-based SaaS (Python, Django, ReactJS, Redis, PostgreSQL, AWS)
- Assisted User Interface refactor from Angular 2 to ReactJS
- Exposure and working knowledge of Machine Learning and data modeling (Jupyter, Tensorflow, Sagemaker)

BlueFletch Mobile • Software Engineer • (Aug. 2016 - Sept. 2017)

Mobile-first development boutique aimed at enterprise-class systems

- Backend-focused mobile application development (Android, ReactJS, React Native, NodeJS)
- Client projects included: IoT devices, rugged mobile devices, AWS and Microsoft Azure exposure

Strategic IT Alignment Group • Software Engineer • (March 2015 - Aug. 2016)

Government contractor development for the State of Florida Dept. of Economic Opportunity (DEO)

- Designed and developed "FIRRE" fraud detection engine (Python, Go, Apache Cassandra, Solr, MySQL)

Nathaniel Compton Digital • Freelance Software Contractor (Jan. 2014 - Present)

Developer, Designer, Technologist, Mentor (Portfolio and references available upon request)

- Web/mobile design and development, UI/UX, legacy code maintenance, mitigating technical debt, implementing and improving digital presences (social media, online communications, sales and payments)
- Advocating for students in Computer Science, specific focus on underprivileged demographics

Technical Skills

Languages & Software: Python (Libraries and Frameworks), API (REST), Databases (SQL, NoSQL), Bash/Command Line Scripting; *Working Proficiency Of:* Javascript, React.js (Redux), Node.js, Go

Tools: AWS, Git, Docker, Jira, Confluence, Infrastructure as Code

Process: Agile, Scrum, Kanban, CI/CD, DevOps and Internal Automation, Test Driven Development

Ongoing Education, Training, Selected Awards

- Florida State University - Bachelor of Arts
- O'Reilly AI Conference, NYC 2018 - Presenter and Workshop Leader
- ATDC at Georgia Tech, 2017 FinTech Hackathon - 1st Place Audience Choice, 2nd Place Overall
- AWS Certified Solutions Architect – Associate (Expected Completion: Q1 2020)
- Python Software Foundation - Supporting Member - (March 2019 - Present)