

Nathan Harris

Software Engineer II | PSM I

Denver, Colorado, US

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in [nwithan8](#)



Excited to take head-on the fast-paced, high-stakes world of software development.
Retired journalist.

SKILLS

Programming Languages

Advanced



Java .NET C# Python Node.js
Javascript HTML CSS Ruby PHP
Golang Dart Flutter Groovy Grails
Scala SQL

Software Development

Advanced



Version Control Systems Git
REST API design Microservices Database
ORM MySQL SQLite Postgres
JetBrains IntelliJ PyCharm RubyMine
WebStorm Rider GoLand PhpStorm
VS Code Visual Studio User Experience
Open Source Software GitHub Gitea

Automation

Advanced



Scripting Python Selenium Playwright
Jenkins CI/CD

System Administration

Advanced



Linux Unraid Docker Docker Compose
Portainer Kubernetes Self-Hosting
Homelab Deployment Scaling

Developer Experience

Advanced



Documentation Code Snippets Examples
Guides SDKs Tutorials

Communication

Advanced



Public Speaking Writing Creative Writing
Podcasting YouTube

Journalism

Advanced



Gannett Co. Inc. USA Today Network CNN
The Atlanta Journal-Constitution
The Zanesville Times Recorder
The Red & Black Publishing Co.
Flagpole Magazine Fact-checking Research

Operating Systems

Advanced



Windows Mac OS Linux Ubuntu Unraid
Proxmox Docker Hypervisor Virtualization

Editing Breaking News AP Style

Copy Editing

Microsoft Office

Advanced



Word Excel PowerPoint Outlook

Access

Artificial Intelligence

Intermediate



Machine Learning TensorFlow PyTorch

OpenCV Natural Language Processing

NLTK OpenAI Llama Qwen Ollama

GitHub Copilot

Project Management

Intermediate



Agile Scrum Phabricator YouTrack

Data Analysis

Intermediate

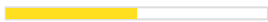


SQL SQLite MySQL MS SQL Server

Tableau Socrata

Web Development

Intermediate



React Bootstrap Material Design CSS

HTML Javascript jQuery UX/UI

Network Engineering

Intermediate



Unifi pfSense Ubiquiti Firewall VLANs

Ad-Blocking DNS DHCP WireGuard

OpenVPN VPN Access Point

WORK EXPERIENCE (12)

Nov 2021 - Jan 2025

Software Engineer II at EasyPost

📍 <https://www.linkedin.com/company/easypost/>

Developing internal and external systems and utilities to improve the end-user B2B and B2C EasyPost experience.

- Revitalized and redesigned EasyPost's open-source API client libraries (Java, C#, Python, Node.JS, Ruby, Go, PHP)
- Led development on open-source HTTP VCR utility for Java and .NET (EasyVCR)
- Designed and developed internal utilities to auto-generate API client libraries and documentation
- Spear-headed user-facing API documentation redesign and implementation
- Introduced claims submission and tracking portal for EasyPost's insurance product

Sep 2016 - Current

Podcaster at Technically Speaking (Podcast)

🔗 <https://feeds.feedburner.com/technicallyspeakingpodcast>

Host of the "Technically Speaking" podcast and weekly "Tech Chat" on YouTube, discussing the latest tech news and personal projects with friends.

Aug 2018 - Current

Open Source Developer at Internet

🔗 <https://github.com/nwithan8>

Producing and contributing to a number of free and open-source projects, including testing utilities, interactive social media bots, Python API client libraries, Tautulli and Home Assistant.

- EasyVCR - An open-source Java and .NET utility for recording and replaying HTTP requests in automated test suites

- Tauticord - A Discord bot for viewing and managing Plex streams via Tautulli
- Pytulli - The de-facto, feature-complete Python API client for Tautulli
- Plex Prerolls - A cron-based script to adjust preroll videos for a Plex Media Server based on defined schedules and holidays

Jun 2020 - Nov 2021

Software Developer Analyst at Force 5 Inc.

📍 <https://www.linkedin.com/company/force-5-inc/>

Developer on suite of on-site, cross-platform visitor management system applications, including mobile Android/iOS app. Lead team in restructure of backend API.

Go-to for internal DevOps and automation development and implementation.

Languages/tools used include C#, Xamarin.Forms, Groovy, Java and Grails/Gradle.

Liaison between development team and end users regarding NERC CIP compliance instruments for energy corporation clients.

Oct 2019 - Jun 2020

Digital Business Transformation Intern at Fulton County Government

📍 <https://www.linkedin.com/company/fultoncountygovernment/>

Data Analytics: Curated data collection on current and former interns, capstone students and grant workers to assess Center of Excellence performance. Data stored in MS SQL database and analyzed using Tableau and Socrata.

Technology Integration: Researched and established policy and standard operating procedures for the implementation of new technologies in various county departments, including collaborative iPads and customer service survey kiosks.

Development: Wrote and implemented a Qualtrics API library in Python for use in in-house automation scripts for survey creation, management and response processing.

Jul 2018 - Mar 2019

Community Reporter at Gannett | USA TODAY NETWORK

📍 <https://www.linkedin.com/company/gannett/>

Community reporter, covering local city and county government, school and community boards and crime.

Jun 2018 - Jul 2018

TV Apps Intern at CNN

📍 <https://www.linkedin.com/company/cnn/>

Worked with the TV Apps development team to produce, update and debug the CNNgo app on Apple TV, Roku, Fire TV, Android TV and Samsung TV platforms.

Sep 2014 - May 2018

News Writer at The Red & Black

📍 <https://www.linkedin.com/company/the-red-&-black-newspaper/>

Attend weekly meetings. Take responsibility for researching and writing articles, getting in contact with sources, keep editors updated about progress. Articles due weekly.

- Served as lead news desk editor in Fall 2016
- Served as city news desk editor in Spring 2016
- Served as lead investigative reporter in Spring 2018
- Served as senior city correspondent in Fall 2015

Aug 2017 - May 2018

Investigative Reporter at Georgia News Lab

📍 <https://www.linkedin.com/company/georgia-news-lab/>

Chosen for select group of Georgia journalism students to learn investigative journalism hands-on, producing work for the Atlanta Journal-Constitution and WSB-TV.

Solo project: Investigation in Atlanta mayoral candidate Ceasar Mitchell.

Group project: Investigation into a decade of deaths in local Georgia jails.

Dec 2017 - Jan 2018

Freelance Reporter at Atlanta Journal-Constitution

📍 <https://www.linkedin.com/company/atlanta-journal-constitution/>

Cover Athens and University of Georgia-related news remotely, including UGA's 2017 football season and post-season.

Aug 2017 - Dec 2017

News Reporter at Flagpole Magazine

📍 <https://www.linkedin.com/company/flagpole-magazine/>

Covered politics and Athens area matters and events, including the House District 119 special election, campus carry at the University of Georgia and discrimination in downtown Athens.

Jun 2017 - Aug 2017

News Reporter at Atlanta Journal-Constitution

📍 <https://www.linkedin.com/company/atlanta-journal-constitution/>

Served as Henry County beat reporter, covering county and city board meetings, a school board superintendent controversy and Confederate pride, as well as infant mortality in swimming pools and the new campus carry law, among others.

EDUCATION (3)

2019 - 2020

Computer Science Bachelor of Science

Georgia State University

2016 - 2018

Journalism Bachelor of Arts (A.B.J)

Grady College of Journalism and Mass Communication, University of Georgia

Photojournalism

Video Journalism

Multiplatform Reporting

Investigative Reporting

New Media Production

2014 - 2018

Minor in Computer Science, New Media Certificate

The University of Georgia

AWARDS

2016

Best Administration Reporter in the South - Second Place at Society of Professional Journalists

Received the award from the 66th Annual Green Eyeshade Awards for coverage of the administration at the University of Georgia during my time at The Red & Black.

CERTIFICATES

PROJECTS (3)

Open-Source Development

Jul 2018 - Current

 <https://github.com/nwithan8>

Freelance and free-time open-source developer (primarily Python), producing a number of API wrapper libraries, automation scripts and self-hosted social media bots.

College At All Costs

Aug 2017 - Dec 2017



<https://www.collegeatallcosts.com/index.html>

A website built from the ground up to host a special investigation project into the cost of higher education in the state of Georgia.

I led the team in developing and coding the website, with a specific focus on Javascript functionality.

Proposed Georgia Campus Carry Legislation

Jan 2016 - May 2016



https://www.redandblack.com/athensnews/gov-deal-to-decide-on-campus-carry-proposal/article_4c601c50-ebd7-11e5-b0a9-cfb8ba29864f.html

Georgia General Assembly proposed HB 859 to allow concealed carry on college campuses. Bill had large disapproval and protests. Main article in multi-piece coverage of protests, legislation updates, and student body surveying.

PUBLICATIONS

Journalism Portfolio in Self

LANGUAGES

English

Native Speaker

