Nathan Harris

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Experience

Software Engineer | EasyPost   *November 2021 - January 2025*

- Revitalized and redesigned EasyPost's seven open-source API client libraries (.NET, Java, Python, Node.js, Golang, PHP, Ruby) which handle 85% of EasyPost's API traffic, to ensure thread safety and improve performance and usability
- Built CI/CD pipeline for libraries (GitHub Actions), including automated testing and deployment
- Migrated multiple internal services from monolithic (Ruby) to microservices (Python) architecture, improving scalability and reliability while reducing CI/CD complexity by 75%
- Led design and development of open-source HTTP VCR utility for Java and .NET (EasyVCR)
- Introduced Carrier Metadata microservice (Python, SQL) for EasyPost's shipping API, consolidating real-time, machine-queryable carrier information and service availability
- Spear-headed migration of EasyPost's API documentation to a new standalone React application and redesigned the documentation to be more mobile-user-friendly and accessible
- Integrated acquisition's claims portal (.NET, Blazor) into EasyPost's insurance ecosystem
- Established company-wide coding standards and best practices for various languages

Software Developer Analyst | Force 5   *June 2020 - November 2021*

- Served as lead developer of cross-platform mobile app (Xamarin.Forms) for visitor check-in
- Implemented facial recognition- and QR code-based identification methods (Java, Groovy/Grails) and fuzzy-match powered watchlist enforcement
- Established internal dev-ops, including task tracking and CI/CD pipelines
- Orchestrated restructure of backend API and reduction of technical debt
- Maintained remote-site database syncing mechanisms through locked-down, air-gapped networks
- Acted as liaison between development team and end users regarding NERC CIP compliance instruments for energy corporation clients

Freelance & Open-Source Developer   *July 2018 - Present*

- FusionAuth – Freelance .NET developer for open-source SDKs
- Montjoy – Product consultant and freelance mobile developer for video streaming startup
- Aidly IT – Consulted for cloud data migration, network design and boutique software solutions
- EasyVCR – Java/.NET utility for HTTP request replays in test suites
- Unraid OS – Top community contributor to Docker application repository and documentation
- Home Assistant – Contributed integration extensions, Docker sidecar applications for voice assistant capabilities, and community documentation

Digital Business Transformation Intern | Fulton County Government   *October 2019 - June 2020*

- Served as project manager on various new technology implementation projects, including deploying shared iPads and customer satisfaction survey kiosks across county facilities
- Developed and implemented a Qualtrics API library (Python) for use in in-house automation scripts for survey creation, management and response processing
- Curated data collection (MS SQL) and conducted analysis (Tableau) on current and former interns, capstone students and grant workers to assess Center of Excellence KPIs

News Reporter | Zanesville Times Recorder   *October 2019 - June 2020*

- Covered local news, including city and county government, crime and human interest stories

Education

B.S., Computer Science, Georgia State University   *2019-2020*
A.B.J., Journalism, University of Georgia, Honors   *2014-2018*

Additional Skills & Certifications

- Languages: Python, .NET (C#, VB, F#), Java, Node.js, Golang, Ruby, PHP, Dart/Flutter, SQL
- Software: Docker, Grafana, Qualtrics, Unraid, ProxMox, AWS, JetBrains suite
- Professional Scrum Master