

NATHAN BEAM

STAFF SOFTWARE ENGINEER

nathan.w.beam@gmail.com

678.526.3463

Wenatchee, WA

www.nathanbeam.codes

SUMMARY

Passionate and versatile Software Engineer with extensive experience in full-stack development and technical leadership. Proven track record in designing and implementing highly scalable, enterprise-grade web applications with a strong emphasis on application security, data engineering, and enhancing developer experience. Adept at software architecture, fostering collaborative team environments, and effectively communicating complex technical concepts to both technical and non-technical stakeholders.

SKILLS

Languages: Python, Ruby, Go, Javascript/Typescript, SQL, Elixir, C#

Frameworks: Django, Rails, React, Angular, Phoenix, ASP .NET

Tools: Docker, Kubernetes, Postgresql, Kafka, Excel

Platforms: AWS, Heroku, Firebase, Snowflake, Fivetran

WORK EXPERIENCE

FORWARD FINANCING

STAFF SOFTWARE ENGINEER

12/21 - PRESENT

- Technical lead on Data Engineering team
 - Work with Analytics department to develop streaming data pipeline for small business financing
 - Communicate with executive-level stakeholders to align on requirements and provide updates
 - Eliminated over \$180,000 annual maintenance budget and enabled real-time machine learning
 - Delivered over 30% cost savings per application using OCR and automated decisioning
- Senior Engineer for Security and Compliance team
 - Conduct audits of application security using open-source tools to ensure hardened security posture
 - Enable over \$4m in revenue by collaborating with Legal department on regulatory requirements
- President of Developer Experience Guild
 - Oversaw 20-40% improvement in DORA metrics by improving developer environment and SDLC
 - Lead bi-weekly presentations on developer experience topics to improve developer productivity

FRONT PORCH

FULL-STACK DEVELOPER

04/20 - 12/21

- Developed cloud-based SaaS Educational Technology Webapp for math instruction
- Reduced time to deploy by 20% by converting codebase to a fully containerized environment
- Architected and implemented bottom-up rewrite of Python-based load testing system, resulting in 90% reduction in maintenance costs and 2 standard deviations' reduction between simulated and actual web traffic

FIS

01/18 - 03/20

SOFTWARE ENGINEER II

- Developed ASP .NET/Angular modernization of legacy C++ bank teller terminal
- Co-led \$10m rewrite project, managed junior developers and interns
- Responsible for front/backend development in C#, Angular, and Typescript, as well as C++/CLI interop services with legacy C++ code.

EAGLE ADVANTAGE SOLUTIONS

02/17 - 12/17

SOFTWARE ENGINEER

- Developed ASP .NET MVC modernization of Microsoft Silverlight-based Jail Management System
- Reduced hardware costs by 40% by developing custom hardware API using C++/CLI

UNIVERSITY OF WEST GEORGIA

08/15 - 12/17

TEACHING ASSISTANT, COMPUTER SCIENCE

- Tutored and mentored students on Computer Science related topics and coursework
- Provided group presentations, led weekly workshops for undergraduate and graduate level courses

EDUCATION

UNIVERSITY OF WEST GEORGIA

B.S., COMPUTER SCIENCE

12/17

Magna Cum Laude

COMMUNITY INVOLVEMENT

NORTH CENTRAL WASHINGTON TECH ALLIANCE

6/24-present

MEMBER, TECHNOLOGY ADVISORY BOARD

- Advise on technologies, programs, and policies for Central Washington's largest technology organization, as well as for local businesses and educators

YOUNG PROFESSIONALS OF NORTH CENTRAL WASHINGTON

1/24-present

MEMBER, PLANNING COMMITTEE

- Develop and execute bi-monthly member activities to facilitate professional growth amongst young professionals in the Central Washington region
- Coordinated with communications team and board to organize events of 100+ members