Ethan Jaynes

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Experience

Visa | Denver, CO

Senior Software Engineer   *August 2021 - Present*
- Developed and supported features for two fraud management applications as a full-stack C# developer on the risk payment processing development team.
- Led representation of technical needs to product & management teams, including scoping and sizing of projects.
- Planned and supervised all application deployment tasks as the tech lead on four codebases; led a small team through the process of installing 250k+ lines of application code in 10+ server environments.
- Developed replacement for legacy fraud rules management application in TypeScript, React, and .NET Core API.

Software Engineer   *June 2019 - August 2021*
- Coordinated web migration from legacy mainframe to open systems, saving Visa Debit $1.2M per year.
- Integrated applications with enterprise security frameworks, reducing attack surface.

Software Engineering Intern   *June 2018 - August 2018*
- Architected and developed an ASP.NET application for monitoring debit processing server activity.
- Designed and integrated custom Jenkins continuous delivery pipeline.

Student Life Newspaper | St. Louis, MO

Senior Online Editor, Webmaster   *April 2017 - May 2019*
- Designed and developed new pages for special features, multimedia, and other site needs as decided in collaboration with senior editors; worked extensively with PHP, CSS, and HTML within the WordPress CMS.
- Managed network security, server and Cloudflare proxy maintenance, and general upkeep of platform and content management system; 200k+ page views per month.

Washington University in St. Louis | St. Louis, MO

TA for Introduction to Computer Science; Data Structures & Algorithms   *August 2016 - May 2019*
- Assisted students with Java lab assignments. Led teams of students as they completed workshops on topics like polymorphism, runtime complexity, and general best practices.
- Graded exams and coursework, hosted office hours, and contributed to documentation of course content.

Research Assistant, National Science Foundation (REU Program)   *May 2017 - August 2017*
- Assessed the performance of OpenCL-based big data applications on traditional multicores, graphics engines, and reconfigurable logic (FPGAs).

KWUR 90.3 FM | St. Louis, MO

Webmaster, DJ   *May 2017 - May 2019*
- Designed and launched full website redesign using static site hosting, custom CMS configuration, and radio playlisting API integration.
- Managed, patched, and contributed to custom Django-based radio show scheduling application.

Education

Washington University in St. Louis | St. Louis, MO

B.S. in Computer Science, Minor in Economics, Cum Laude   *August 2015 - May 2019*

Skills

Languages	C#, Javascript ES6+, TypeScript, HTML/CSS, PowerShell, Python
Tools & Processes	ASP.NET, React, Redux, Yarn, SQL/Postgres, IIS, Git, Jenkins, Agile, REST, AWS S3/EC2