

# Nathan Grey

Infrastructure & Software Engineer with 10+ Years of Corporate & Startup Experience

📞 240-883-6556

✉️ nate@grey.bz

🌐 nathangrey.me

📍 Germantown, MD

🔗 github.com/overtfuture

## SUMMARY

I am a passionate multi-stack software engineer with experience architecting, planning, managing, documenting, and building complex software stacks from scratch. Learning new languages, company coding standards, and implementing solutions come naturally to me, and I am looking for unique challenges to broaden my abilities. My favorite part of creating something new is working and collaborating within a team to proactively come up with innovative solutions and shipping great software.

## EDUCATION

B.A. in Finance & Computer Science | Valparaiso University | 2013

## EXPERIENCE

### **Eventsheet** - *Co-Founder & Backend Developer*

**July 2023 - Present**

- Designed the backend REST API service from scratch in Go & Echo including authentication, Stripe billing, event based triggers via Postgres, email alerts, validation, automated docs, protobufs, and automated releases via GitHub
- Implemented Facebook's Graph API in Go with full validation support for reliable data structuring prior to submitting
- Built a failure / revert system for bad publishing of ad campaigns to prevent incomplete ad campaigns from publishing for a user
- Programmed the ad publishing system to use best practices for generating permutations of ad creative combinations
- Created automated development pipelines in GitHub to allow for other developers to deploy test or release builds based on semantic versioning

### **Megaport** - *Software Developer*

**August 2021 - Present**

- Deployed a brand new portal experience for customers using best practices in cloud infrastructure, micro-services, scalable resources, Kubernetes, Istio mesh-networking, Flux CD, and GPU workloads for the Megaport ONE launch
- Integrated our prior company's (InnovoEdge before acquisition) API's into the Megaport network
- Developed custom infrastructure deployment techniques to allow for custom machine learning models to dynamically scale up and down to zero for network bandwidth predictions
- Led direct efforts to implement new features for the portal to help existing customers adopt compute on top of their existing networking products
- Worked on the ISO certification process for the new platform and helped implement best security practices for container development
- Brought widespread support for better development techniques and practices for the prior development teams

### **InnovoEdge** - *Principal Software Engineer*

**January 2020 - August 2021**

- Planned, architected, and helped develop a SaaS platform for delivering Kubernetes based workloads anywhere in the world to people exploring cloud computing that led to a multi-million dollar acquisition by Megaport
- Managed the deployment and staged release rollout of development builds through CI/CD tools in GitLab
- Automated the building and deployment of 30+ Go micro-service containers in our SaaS platform
- Created Helm installation charts and catalogs for rapid deployment of complex Kubernetes installations
- Lead the agile work-flow through git-flow and CI/CD for the development team to ensure prompt and stable deployments

### **Gladius Network** - *Lead Software Engineer*

**January 2018 - July 2019**

- Team lead to develop and architect a decentralized DDoS protection service based on the Ethereum blockchain
- Created easy to use REST API abstraction layers for the Ethereum blockchain for other developers to leverage for various UI applications to display data and account info
- Deployed entire P2P networked VPS' via Rancher Kubernetes and Helm in easy to use Q&A forms
- Built end user applications & CLI's that were compiled for all platforms, Windows, macOS, and Linux
- View the code on GitHub: [github.com/gladiusio](https://github.com/gladiusio)

**Prior Experience** - *Contact me for more details or view my profile on LinkedIn*

## PROJECTS

- **Eventsheet** - Dedicated platform built to allow music artists to advertise easier and quicker on Facebook and Instagram
- **Bills io** - Personal financial app built for iOS, iPadOS, and macOS and designed to allow users to quickly see what bills they owe when and set up privacy focused alerts to stay on top of their expenses