

# Philips Huy Nguyen

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## Summary

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Backend software engineer with 5+ years of experience in designing and implementing solutions in both the financial industry as well as the retail industry using scrum agile. BS in Computer Science and volunteers IT skills to a non-profit youth organization.

## Skills

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**Programming Languages:** Java, C#, SQL, Python, Javascript, Typescript, YAML, HTML, CSS

**Frameworks:** Spring, .NET Core, .NET MVC, ELK, React, Next JS, Angular JS, OpenAPI, Unity

**Tools:** Git, Datadog, Grafana, Gitlab CI, Azure Pipelines, Jenkins, MongoDB, SQL, Docker, Kubernetes, Redis, Google Cloud Platform GKE, Cloud Storage Buckets

## Experience

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### Zebra Technologies

Chicago, IL

Software Engineer

July 2021 – Present

- Collaborate with scrum team on the full implementation and launch of 5+ highly scalable Java Springboot gRPC APIs within a cloud distributed system for a SAAS product, leveraging Google Cloud Platform, Kafka and MongoDB.
- On-call support engineer responsible for production stability during outages and resiliency plans to ensure high availability for production services. Support 3+ external integrating and load testing teams through technical consulting and advising.
- Automate complex system processes with robust monitoring and alerting, troubleshoot and remedy availability and performance challenges to meet 100% of non-functional requirements using DataDog and Grafana.

### Northwestern Mutual

Milwaukee, WI

Software Engineer

May 2016 – July 2021

- Designed scalable REST APIs with detailed documentation to CRUD SQL databases with 100,000+ requests a day for 5+ calling applications.
- Implemented features and bug fixes for Java services that handle 5,000,000+ sensitive customer records.
- Ensured system stability, application security, and code quality as application owner of a suite of .NET applications with 5000+ users.
- Enforced continuous integration and development patterns for 10+ applications to be used for timely delivery of code by 10+ teams and maintained repositories and environments with 100+ developers/testers.
- Created proactive solutions by parsing 1000+ application/user log files and generating predictive metrics.
- Produced automated unit tests for 80% coverage and ensured 100% Sonarqube critical issues addressed.

### Vietnamese Eucharistic Youth Movement

Anaheim, CA

Volunteer Backend IT Lead

October 2019 - Present

- Oversee regional technology decisions and drive initiatives through team management of 10+ teammates.
- Administer solutions through both design and implementation for worldwide organization.
- Manage work backlog and work directly with stakeholders to understand IT needs. Advocating for user centered designs. Create comprehensive technical documentation including system architecture diagrams and user guides for 6,000+ users.

## Notable Projects

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**VEYM Membership Platform** (<https://members.veym.net>)

NextJS, .NET Core, SQL

HR directory system for VEYM. Lead engineer responsible for architecture, system design, API implementation, CICD, integration with Azure B2C, and general application support. Ensured a secure REST API with authorization through Active Directory Groups, timely delivery through automated deployment with Azure Pipelines, and ease of maintainability through robust logging. This platform serves 5,000+ members and is hosted on Azure App Services. Mentors a team of interns and collaborates with stakeholders to ensure project alignment and organizational goals.

## Education

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University of Milwaukee, Wisconsin

Milwaukee, WI

B.S Computer Science