

Peter Nguyen

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SUMMARY

Software engineer specialized in cloud application development for IIoT solutions with experience in DevOps. Experienced in modern .NET development and event-driven architecture.

SKILLS AND TOOLS

Full-Stack, C#, .NET Core, Java, TypeScript, React, Kafka, TDD/BDD, CI/CD, Git, Linux, C++, PHP, PostgreSQL, MongoDB, Docker, Kubernetes

EXPERIENCE

Honeywell, Fort Mill SC — Advanced Software Engineer

December 2020 – November 2022

Development of Honeywell Productivity Edge IIoT solution

- Design and development of stream-based automation system using **ASP.NET Core**, **Orleans**, **distributed messaging systems**, and **gRPC**.
- Design and development of time-series data analytics and alerting system utilizing **PostgreSQL/TimescaleDB** and **GraphQL**.
- Improved security and internal tooling of solution.
- Improved productivity by developing shared internal libraries utilized across teams.
- Improved reliability of services via integration of **OpenTelemetry** tooling.

Honeywell, Fort Mill SC — Software Engineer II

June 2019 – December 2020

Development of Honeywell Operational Intelligence

- **Full-stack** development using **ASP.NET Core** and **React**
- Developed scalable **microservices** utilizing **gRPC** and **distributed messaging systems**
- Promoted good software development practices, such as **test-driven development**, **secure development**, and standardized coding conventions.

DevOps

- Secured **container** images and managed **continuous integration** and **continuous delivery** pipeline.
- Deployed and managed **Azure** infrastructure.
- Reduced operating costs by consolidating and pruning infrastructure resources.
- Created deployment pipelines for **microservices** onto **Istio** service mesh.

EDUCATION

Winthrop University, Rock Hill SC— *B.S. Computer Science, 3.812*
2015 – 2019

Minors: Chemistry, Mathematics, Physics

Honors Societies:

Upsilon Pi Epsilon

Kappa Mu Epsilon

PROJECTS / OTHER EXPERIENCE

Winthrop University College of Business Administration, Rock Hill NC — *Software Engineer*
August 2018 - May 2019

Developed ASP.NET Core web application replacing outdated and limited course scheduling system.

SurgeonStudy.com — *Co-creator*

June 2016 - January 2017 (Discontinued)

Online platform for studying ABSITE-like exam material. Using **Django** for backend services and **Vue.js** for frontend services.

REFERENCES

Ernesto Calderon

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