

NATHAN THOMPSON

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EDUCATION

Franklin University

Graduating Dec 2024

Bachelor of Science in Computer Science, **GPA: 3.8/4.0**

Columbus, OH

Coursework: Software Architecture, Engineering, and Security

TECHNICAL SKILLS

Programming Languages: C, C++, C#, Java, JavaScript, TypeScript, Python, HTML, CSS

Frameworks: .NET, ASP.NET, WPF, Entity Framework, React, Angular, Spring Boot, JPA, JUnit, Django, Flask

Tools: GitHub, Docker, MySQL, SQL Server, MongoDB, Postman

PROFESSIONAL EXPERIENCE

Intel Corporation

May 2024 – Aug 2024

Software Application Engineer, Intern

Remote

- Decreased system testing time by **88%** within a **\$15 billion** organization by designing and implementing a distributed and scalable backend in the .NET Framework to automate testing environment creation, dependency gathering, and script execution with Apache Kafka and ASP.NET.
- Contributed to existing infrastructure responsible for manufacturing over **1.2 trillion** semiconductor chips annually by collaborating with cross-functional teams to integrate microservices and new processes.
- Received an award of recognition for Fearless Innovation regarding contribution to the world's first systems foundry for the **Artificial Intelligence** era.

RedBuilt

May 2022 – May 2024

Software Developer

Delaware, OH

- Delivered innovative software products that solved application incompatibility issues between information systems, decreasing labor and manufacturing time by **200%** for over **500** employees.
- Drove **\$150 million** in revenue annually by leading the development of several software products **E2E**, from identifying system requirements with business analysts to implementing, testing, and deploying applications with the .NET Framework and Microsoft Intune.

CERTIFICATIONS

Franklin University, Software Security

Aug 2024

CompTIA, Cloud Essentials+ (CLO-002)

May 2024

Franklin University, Software Development in Java

May 2024

ACADEMIC PROJECTS

Personal Finance Analyzer | Java, Spring Boot, JavaScript, React

Sep 2024 – Dec 2024

- Utilized Spring Boot and JPA frameworks to create a web application with authentication and data persistence for users, accounts, transactions, categories, and budgets.

Programming Language Transpiler | C, C#, .NET

Jan 2024 – Present

- Utilized lexical and syntactical analysis to create the front end of a custom compiler in C#.
- Designed a recursive descent parser using a custom context-free grammar for C code generation.

Version Control System | Java

June 2023 – Aug 2023

- Created a simple version control system using a directional acyclic graph.
- Built a command line interface for manipulating versioned files and directories.