



TRISTAN KNOTT

Software Engineer

Professional Experience

Contact

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Portfolio Website

www.trisoft.netlify.app

Education

**B.S. Software Engineering
& Web Development**

New England Institute of Technology
2022-2025

Skills

- Agile Development
- Project Management
- REST API Development
- Object-Oriented Programming
- DevOps Implementation
- Data Processing
- Unit Testing
- Git Flows

Technologies

- Angular & React JS/TS
- Java Spring Boot
- ASP.NET
- Python
- Atlassian Jira & Bitbucket
- MySQL & PostgreSQL
- MongoDB & Supabase
- AWS & Azure Cloud Storage
- OpenShift
- Jenkins
- Datadog
- Docker

Aug
2024

Java & Angular Software Engineering Intern

Citizens Bank, Johnston Campus, RI

- Developed and deployed a **RESTful API using Java Spring Boot**, leveraging JetBrains IntelliJ to build a transaction categorization service, enhancing backend processing efficiency.
- Collaborated in an **Agile development environment**, utilizing Atlassian Bitbucket and Jira for source control and sprint planning, while integrating DevOps tools such as **Jenkins, SonarQube, AWS, and Docker** to automate builds and deployments.
- Contributed to frontend development with **Angular**, building interactive web pages in VS Code that seamlessly connected to the **Java Spring Boot API**, improving user experience and data accessibility.

2023
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2025

Business Analyst & Software Engineer I

Rite-Solutions, Middletown, RI

- Collaborated with clients to gather business requirements, analyze data needs, and translate them into actionable Power Platform solutions, ensuring alignment with organizational goals.
- Designed, developed, and **deployed 8+ interactive Power BI dashboards**, leveraging DAX and Power Query to visualize key business analytics metrics and drive data-informed decision-making.
- Provided end-to-end Power Platform solutions, **integrating Power BI with Power Automate and Dataverse** to streamline data workflows, enhance reporting automation, and improve business intelligence capabilities.

2022
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2025

B.S. Software Engineering & Web Development

New England Institute of Technology, East Greenwich, RI

- Developed expertise in full-stack development, mastering languages and frameworks including **Python, C#, Java, JavaScript, React, Angular, PHP, and SQL** to build dynamic web applications, REST APIs, and mobile apps using React Native.
- Designed & deployed multiple software solutions, including **RESTful APIs, modular component-based websites, CRUD applications, mobile apps, NoSQL and SQL-backed databases**, utilizing industry-standard tools like ASP.NET, Java, Supabase, Jenkins, Apache, and cloud-based deployment strategies.
- Gained hands-on experience with modern development environments and DevOps tools, working with JetBrains IDEs, Visual Studio, Eclipse, Atlassian Bitbucket & Jira, and GitHub to streamline version control, CI/CD pipelines, and project management.

2016
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2023

All-Source Intelligence Analyst

United States Air Force, Quonset Point ANGB, RI

References

Michael Perez

Citizens Bank /
Senior Software Engineer

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Jordan Lopez

US Air Force / Pilot

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