

# Matthew Weinert

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## COMPUTER & SOFTWARE ENGINEER

Outgoing and collaborative Full Stack Software Engineer with a strong foundation in Angular and Spring Boot. Passionate about building scalable, user-focused web applications while continuously expanding technical skills and staying current with emerging technologies. Committed to both personal and professional growth, and thrives in dynamic, team-oriented environments.

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## PROFESSIONAL EXPERIENCE

**BNY**

**February 2023 - Current**

**Senior Associate - Full Stack Developer**

- Full Stack Software Engineer specializing in scalable financial applications across monolithic and microservice architectures
- Contributed to the development of a high-throughput trading platform that processes over \$18 trillion USD in securities daily
- Develop end-to-end applications powered by Eliza, an internal AI platform that supports data-driven financial decisions and workflow automation
- Conduct knowledge-sharing sessions and deliver technical presentations to directors and executive leadership
- Manage personal Jira issue tracking and actively participate in daily SCRUM meetings to ensure sprint alignment
- Developed a patented software solution enabling clients to model and predict company financials across various scenarios, enhancing strategic decision-making
- Supported the hiring process by conducting and evaluating over 100 candidate interviews, contributing to the selection of top talent
- Write and maintain unit tests to achieve high code coverage and ensure software reliability and quality
- Languages, Technologies & Tools: TypeScript, Java, Angular, Spring Boot, MySQL Karma, Git, Gitlab, Jira, Confluence

**4c Strategies**

**May 2022 - Febuary 2023**

**Software Engineer**

- Designed and built a full-stack solution from scratch to support virtual simulations for the Army's portable Synthetic Training Environment (STE)
- Maintain and enhance Wargaming (WG), a legacy application used by the Marines to extract insights from existing data
- Deliver production-ready software at the end of bi-weekly sprints as part of the company's leading development team
- Led a team responsible for creating and maintaining comprehensive architecture and design documentation, ensuring clarity and alignment across development and stakeholder teams
- Contribute to peer code reviews and maintain high software quality through thorough unit testing
- Operate within a fast-paced Agile environment, ensuring timely and reliable feature delivery
- Languages, Technologies & Tools: TypeScript, Java, Angular, Spring Boot, MySQL, Karma, Git, Gitlab, Jira, Confluence

**Phoenix Defense**

**May 2021 - May 2022**

**Jr. Software Engineer**

- Served as the lead engineer for an IoT mesh network project, developing Land Navigation software integrated with the Android Team Awareness Kit (ATAK) to enhance real-time situational awareness and coordination in field operations
- Designed and implemented a full-stack database web application for tracking and managing fielded hardware assets, following Agile methodologies to ensure iterative delivery, stakeholder feedback integration, and continuous improvement
- Mentored and trained new hires, accelerating their onboarding process and empowering them to become independent, productive developers
- Languages, Technologies & Tools: TypeScript, Java, Angular, Spring Boot, MySQL, Git, BitBucket, Jira, Confluence, Android Studio, ATAK

## PROFESSIONAL EXPERIENCE CONT.

### Dignitas Technologies

#### Software Engineer Intern

July 2019 - April 2020

- Developed a web application capable of ingesting and integrating data from multiple sources to support military training simulations, enabling more dynamic and realistic training scenarios
- Designed, developed, and tested software features in an Agile environment, participating in sprint planning, stand-ups, and iterative delivery cycles
- Conducted field-based QA testing to identify and document bugs via Jira; implemented and verified fixes, ensuring smooth deployment to production
- Languages, Technologies & Tools: Java, HTML/CSS, GWT (Google Web Toolkit), TortoiseSVN, Git, Jira, Confluence, SQL

### TECHNICAL EXPERIENCE

- Version controls: *Git Bash, Github, GIT, TortoiseSVN, BitBucket*
- Editors: *Eclipse, IntelliJ, Webstorm, Visual Studio, VS Code, NetBeans*
- Operating Systems: *Windows, Linux, Unix*
- Databases: *SQL, SQLite, MongoDB*
- Backend: *Apache Tomcat, SpringBoot, .NET, Node, Express*
- Frontend: *ReactJS, Angular, Materials, Bootstrap, RXJS*
- A.I. tools & related libraries: *OpenCV, Numpy, Pandas*
- Workflows: *Jira, Confluence, Gitlab*
- Other: *AWS Amplify, AWS Beanstalk, AWS RDS, HostGator, Heroku*

### EDUCATION

#### University of Central Florida (UCF)

##### Computer Engineering

- Area of focus: Computer Engineering with a special interest in Software development and Computer Sciences

### ASSETS

- Active Security Clearance
- Bachelors in Computer Engineering
- Associates Degree

### PROGRAM LANGUAGES

C, C#, Java, TypeScript, JavaScript, Kotlin, Python, PHP, CSS, HTML

### PERSONAL PROJECTS

#### A.I. "Smart-Hub" Security System

##### Smart-Hub

- Led a multidisciplinary design project involving both hardware and software development, integrating sensors, embedded systems, and custom software into a cohesive solution
- Developed key features for a Smart-Hub device using a Raspberry Pi, including human detection capabilities and real-time user alerts via a custom-designed Computer-Aided Design (CAD) interface
- Languages, Technologies & Tools: Python, PyQt5, OpenCV, MicroPython

##### PageShop

##### SaaS Website

- Currently developing a full-stack web platform that connects users with local service providers, streamlining the process of discovering, offering, and managing services within their communities
- Deploying and managing the application using AWS services, including Elastic Beanstalk for backend deployment, RDS for relational database management, and Amplify for frontend hosting and CI/CD pipelines
- Designed responsive and user-friendly interfaces using Material UI and Bootstrap libraries to ensure consistent styling and an intuitive user experience across devices
- Languages, Technologies & Tools: ReactJS, .NET 7, HTML/CSS, SQL

### REFERENCES

Vishal Srinivasan  
BNY  
(689) 808-1378

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4c Strategies  
(954) 309-9158

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