

# Thao Walton

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## SUMMARY

Experienced software engineer with a decade of full-stack development expertise, focused on building scalable applications that enhance user experiences. Proven leader in managing projects from concept through delivery, utilizing modern tools and methodologies to promote software quality and team collaboration. Skilled in deploying reliable systems by leveraging SOLID principles. Thrives in engagement with cross-functional teams to meet business goals. Through agile practices, maintains robust CI/CD processes that streamline workflows. Eager to contribute analytical skills and technical excellence at Tech Innovations Corp.

## EXPERIENCE

**Senior Software Engineer** January 2021 - Present  
Tech Solutions Inc. Chicago, IL

Oversee design and development of scalable software solutions, optimizing both functionality and architecture for superior user experience.

- Lead agile teams to develop software applications that prioritize user needs and system stability.
- Drive continuous integration efforts by creating automated testing frameworks to ensure code quality.
- Collaborate actively with stakeholders to define project vision and technical constraints, ensuring alignment with specifications.
- Manage multiple initiatives simultaneously, delivering high-quality outputs within tight deadlines.

**Software Engineer** March 2018 - December 2020  
Innovative Web Services Naperville, IL

Contributed to the development of web applications, playing an essential role in system architecture and implementation.

- Implemented contract-first API designs employing OpenAPI, enhancing interoperability and maintenance.
- Participated in rigorous code reviews and architectural discussions to boost code robustness and performance.
- Executed unit tests and end-to-end testing strategies as part of CI/CD practices, improving reliability across all deployments.
- Mentored junior developers, fostering a culture of learning and progressive improvement in software engineering standards.

**Junior Software Engineer** June 2016 - February 2018  
Creative Tech Hub Peoria, IL

Assisted seasoned engineers in crafting software applications while gaining foundational experience in coding and testing.

- Engaged in developing software applications while developing key skills in practical coding techniques.
- Worked closely with senior staff on architectural strategies, contributing meaningfully to project success.
- Acquired insights into debugging and iterative testing procedures, reshaping application functionality effectively.
- Participated in team meetings and collaborative approaches, bringing fresh perspectives on design considerations.

## PROJECTS

**Scalable Application Deployment** 📅 July 2023

Developed and deployed a robust e-commerce platform capable of handling large traffic volumes without compromising speed or performance.

**Integration of Continuous Testing** 📅 December 2024

Designed a series of automated test cases that greatly enhanced the reliability and speed of the deployment process, receiving commendations from management.

## LEADERSHIP & AWARDS

- Recipient of Tech Excellence Award for outstanding contributions to software development capabilities in 2025.
- Recognized as Employee of the Month for two consecutive quarters due to exceeding project expectations and enhancing team dynamics.

## EDUCATION

**Bachelor's Degree in Computer Science** 2016

University of Illinois GPA: 3.5

Champaign, IL

**Coursework:** Software Development, Data Structures, Algorithms, Web Development

## CERTIFICATIONS

- Certified ScrumMaster (CSM) 📅 2020
- AWS Certified Solutions Architect 📅 2021

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, JavaScript
- **Frameworks:** React, Node.js, Django
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Development Tools:** Git, Docker, Jenkins
- **Responsive Design:** HTML, CSS, Bootstrap
- **Testing Frameworks:** JUnit, Selenium, Mocha
- **Agile Methodologies:** Scrum, Kanban, XP
- **Architectural Patterns:** MVC, Microservices, Monolith
- **APIs:** REST, GraphQL, SOAP

## SKILLS

- Full-stack development
- SOLID principles
- API design & development
- CI/CD methodologies
- Agile project management
- Test automation
- JavaScript frameworks
- Cloud computing
- Database management
- Microservices architecture
- Version control systems
- Responsive design
- User-centered design
- Performance optimization
- UX/UI best practices
- Debugging techniques

## PROFESSIONAL AFFILIATIONS

- Active member of IEEE Computer Society, connecting with peers and industry leaders to foster professional growth.
- Volunteered with local coding bootcamp programs to mentor aspiring software developers and nurture emerging tech talent.

## LANGUAGES

- English (Native)
- Spanish (Proficient)

## ADDITIONAL INFORMATION

**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

AVAILABLE ON REQUEST