Matthew Martin

Professional Software Architect

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Technical Skills

AI • Machine Learning • Neural Networks
.NET • C# • Javascript • Typescript • React
Node.js • AWS • Azure • Domain Driven Design
Well-Architected Frameworks • UML & C4
SQL • MongoDB • DynamoDB • Elasticsearch
GraphQL • Redis • Microservices • Rust
Event-Driven Architecture • Docker
Kubernetes • Kafka

Links

Github
github.com/dreaminhex

StackOverflow
stackoverflow.com/users/814172/dreaminhex

Languages

English • *Native Speaker*
Spanish • *High Proficiency*

Passions

Bladesmithing • *"Forged in Fire" Finalist, 2022*
Travel • *Antarctica Expedition, 2025*
Science • *Architectonic Simulation Theory, 2025*

"A *Polymath with a Passport...*"

*I'm a seasoned architect, engineer, and hands-on problem solver with a 25-year track record across industries as varied as **logistics, healthcare, e-commerce, banking, finance,** and **payments**. My development experience includes enterprise, high-availability full-stack systems, distributed infrastructure, search, and emerging AI. I work fast, think deep, and stay on the leading edge of technology. I have an insatiable curiosity, and I am as comfortable with a whiteboard as I am with an IDE - I still love writing code, and I've never been afraid to dive in and get my hands dirty. Oh, and I love to travel!*

Relevant Professional Experience

Software Architect • *SWIVEL* • Apr '23-Present • *Remote*
Designed and developed solutions for Digital Wallets, Risk, Tokenization, Stored Payments, Localization & Translation, and Content Delivery within AWS infrastructure using containers and lambda functions. Instituted Guilds system (Patterns & Practices).

Software Architect • *Homepoint* • Sep '21-Apr '23 • *Remote*
Implemented architecture across multiple C# and Java services with pub/sub to Kafka and GraphQL federation. Developed centralized gateway in Typescript with schema stitching to centralize queries and mutations.

Software Architect • *RF-SMART* • May '20-Sep '21 • *Jacksonville, FL*
Developed strategy to migrate on-premise warehousing systems into a cloud-based solution (AWS). Aided in development of mobile-scale, reusable components for scanner devices. Fully architected point-of-care system utilizing nHAPI (current maintainer).

Director, Engineering • *Forcura* • Dec '14-Dec '16 • *Jacksonville, FL*
First director of an incubated startup. Developed infrastructure in AWS and deployed a complete document management platform for healthcare, utilizing .NET, Elasticsearch, and intelligent OCR solutions. Guest speaker at Elastic{ON} '16 in San Francisco, CA.

Software Architect • *Fanatics* • Sep '2013-Dec '14 • *Jacksonville, FL*

Developed an intelligent search engine using Elasticsearch, which is still in use. Implemented autocompletion and "more like this" query analysis for suggestions. Designed and developed custom configuration user-interface components.

ⓘ *Additional work experiences are available upon request.*

Education

Florida State College • '01-'03 • *Jacksonville, FL*
B.S. Computer Science, minor English Literature

St. Johns River State College • '00-'02 • *St. Augustine, FL*
A.S. Computer & Information Sciences

Naval Nuclear Power Training Command • 1997 • *Orlando, FL*
Machinist's Mate 3rd Class, Honorable Discharge

References

Schuyler Salz • BI Architect, *The Energy Authority* • *ss9999@gmail.com*

David Haney • Founder, *Codesession.io* • *david.a.haney@gmail.com*

Chad Towle • Engineering Manager, *Capillary* • *chad@towlebooth.com*