

DESMOND TATILIAN

SENIOR SOFTWARE ENGINEER

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Senior technology leader and full-stack engineer who drives modernization, automation, and measurable business impact. Brings deep expertise across web application architecture, cloud infrastructure, CI/CD, and AI-driven solutions, with a track record of leading complex initiatives and improving operational efficiency. Combines technical depth with strategic thinking to turn business goals into scalable, high-performing products.

PROFILE

Senior Software Engineer with 10+ years of experience in full-stack web platforms and AI-enabled tooling. Proficient in full-stack development across React, Python, SQL, and modern web architectures. Skilled in API development, infrastructure-as-code, and cloud deployment across AWS, GCP, and Azure. Built AI/RAG tools for contracts management and led a full-stack inventory management solution integrated with enterprise platforms.

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer, Quest Corporation of America

Jan 2024

Land O' Lakes, FL

- Directed technical strategy for projects exceeding \$500,000, ensuring alignment with business objectives and technical feasibility.
- Engineered a full-stack inventory management solution for a Florida municipality, seamlessly integrating with existing enterprise platforms and APIs.
- Identified inefficiencies across teams and developed custom AI-driven tools for contract management and data analysis, enhancing operational efficiency.
- Created and documented custom APIs using OpenAPI, facilitating integration between enterprise ERPs and tailored user interfaces.
- Implemented Infrastructure As Code practices using GitHub Actions and Azure Pipelines, improving deployment consistency and system maintainability.

COO, Launch That Brand

Sept 2017 to Jan 2024

Tallahassee

- Led the development of full-stack web applications using React and TypeScript, enhancing delivery speed and business flexibility.
- Engineered a microservice-based architecture, successfully migrating a monolithic resource portal to improve scalability and maintainability.
- Developed integrations between enterprise ERP systems and custom interfaces, optimizing data flow and operational efficiency.
- Managed cloud deployments across AWS, GCP, and Azure, utilizing infrastructure-as-code tools to streamline processes and ensure reliability.
- Maintained relationships with key industry partners, contributing to a 300% increase in customer acquisition.
- Built a custom intranet using Microsoft 365 as a system-of-record, achieving company-wide adoption while preserving data integrity.

CTO, Virtue Motorsports

Sept 2015 to Sept 2019

Tallahassee

- Created and managed a technology budget that optimized resource allocation, enabling the company to maintain financial discipline.
- Led the development of a cloud-based platform that lowered operational costs while enhancing the customer experience through improved service delivery.
- Engineered a data warehouse that facilitated efficient storage and retrieval of large datasets, significantly improving data accessibility and supporting advanced data modeling.

Manager, Appliance Pros of Tallahassee

Jan 2011 to Aug 2015

Tallahassee

- Engineered a Field Agent application to automate workflows, enhancing operational resilience and efficiency.
- Optimized technician scheduling and job history management, resulting in doubled job capacity while maintaining staffing levels and reducing wrong-part orders.

EDUCATION

Florida State University, Tallahassee
Bachelors
Economics and Entrepreneurship

Aug 2011 to Jun 2016

LINKS

[Portfolio](#)

AREAS OF EXPERTISE

- Software Engineering
- SQL
- Code Reviews
- Python
- Data Modeling
- Collaboration
- React
- AI Integration
- Mentoring
- TypeScript
- Infrastructure-As-Code
- Performance Monitoring