Matthew Garner

SENIOR FULL STACK & AI ENGINEER | WEB & MOBILE

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 15+ years delivering web, mobile, and enterprise applications. Builds AI workflows with React, Next.js, TypeScript, Python, and FastAPI, including RAG, document extraction, and approval-based agents. Leads design, implementation, code reviews, deployment, and handoff.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C#, Java, SQL

Web and Mobile: React, Next.js, React Native, implementation from Figma designs, offline synchronization

Backend and Integrations: Node.js, FastAPI, Flask, ASP.NET, REST APIs, Microsoft Graph, webhooks

AI Engineering: LLM integration, RAG, structured extraction, agent workflows, evaluation, human approval

Data and Cloud: PostgreSQL, SQL Server, MongoDB, Redis, AWS, Azure AI Search, Azure Service Bus, Docker

Delivery: CI/CD, automated testing, Git, role-based access, audit logging, Stripe, n8n

PROFESSIONAL EXPERIENCE

PwC | Lead AI & Full-Stack Software Engineer

Contract | Dallas, TX | Remote | Aug 2024 - Present

- Lead technical design, code reviews, release planning, and operational handoff for AI-enabled client applications.
- Built a finance document review workspace with React, TypeScript, Python, FastAPI, and PostgreSQL, combining structured LLM extraction, field validation, and exception handling.
- Developed a SharePoint-connected RAG service with access-filtered retrieval, document metadata, and source references.
- Design approval-based agents and integrate Microsoft Graph and client APIs using background workers, idempotent processing, retries, and reconciliation checks.

AT&T | Senior AI-Native Software Engineer

Part-time | Dallas, TX | Hybrid | Mar 2020 - Jul 2024

- Developed a billing investigation application with React, TypeScript, Python, and FastAPI to consolidate invoices, account changes, and support history.
- Built LLM-assisted workflows for disputed-charge summaries, account timelines, and retrieval of supporting procedures through Azure AI Search.
- Integrated billing and CRM APIs with scoped permissions, response validation, and approval controls for account adjustments.
- Implemented Azure Service Bus processing, evaluation scripts, and regression tests; supported Docker deployments through Azure DevOps pipelines.

NTT DATA North America | Full-Stack Software Engineer

Web & Mobile Applications | Full-time | Plano, TX | Hybrid | Aug 2017 - Dec 2019

- Delivered React and React Native field service applications from requirements and Figma designs through app store submission and production support.
- Built work assignment, technician update, photograph, signature, and completion-report workflows, supported by Node.js, TypeScript, PostgreSQL, and offline synchronization.
- Integrated CRM, payment, mapping, and notification services; implemented role-based access, audit trails, and automated delivery checks for AWS deployments.

EthosEnergy | Business Application Developer, Internal Tools

Full-time | Houston, TX | On-site | May 2011 - Aug 2017

- Developed C#, ASP.NET, and SQL Server applications for turbine repair work orders, equipment records, inspections, and job tracking.
- Built digital inspection and engineering approval workflows; integrated ERP and document systems and delivered SQL reports for turnaround time and work-in-progress aging.

Texas Mutual Insurance Company | Associate Software Engineer

Full-time | Austin, TX | Hybrid | Jun 2010 - Apr 2011

- Contributed Java and SQL features to internal policy and claims applications, including record search, claim review, document checklists, and task tracking.
- Resolved defects and data discrepancies, added unit and integration tests, and verified fixes under senior engineering guidance.

SELECTED PROJECTS

Enterprise SaaS | V7

Configurable workflows, repeatable evaluations, and usage-based billing using Next.js, Python/FastAPI, PostgreSQL, Redis, and AWS. Focused on reducing custom engineering during onboarding and supporting more economical account expansion.

Subscription Mobile | Bend

React Native and Node.js subscription experience with RevenueCat, offline functionality, shorter onboarding, and dependable subscription access. Focused on first-session completion, habit formation, and continued membership value.

Booking Marketplace | Getmyboat

Next.js, Node.js, PostgreSQL, and Stripe Connect for clear offers, reservation holds, reliable payments, and operator tools. Focused on availability and pricing clarity to help convert customer interest into completed bookings.

Operations Modernization | Acuren

Connected field submissions, work orders, review queues, and accounting using React, C#/.NET, SQL Server, and Azure. Focused on reducing administration and shortening the path from completed work to invoice.

EDUCATION

Texas A&M University | Master's Degree, Computer Science | 2009 - 2011

The University of Texas at Dallas | Bachelor of Science, Computer Science | 2005 - 2009