Jarvis Glen Hawkins

Senior .NET Full-Stack Engineer

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PROFESSIONAL SUMMARY

11+ years building cloud-native, SaaS web platforms using C#, ASP.NET Core and React with a focus on multitenant architectures and operational reliability. Architected and shipped multi-tenant ERP and real-time fleet platforms with Clean Architecture, event-driven processing (Service Bus, Azure Functions) and Redis caching to improve latency and throughput. Strong track record designing RESTful APIs, data partitions and CI/CD pipelines (Azure DevOps/Git/Jenkins) for zero-downtime delivery. Domain focus includes SaaS business systems and logistics/dispatch solutions at scale.

PROFESSIONAL EXPERIENCE

Senior Software Development Engineer   04/2025 – Present

Blizzard

- Lead design and implementation of microservices and backend APIs using ASP.NET Core and C#, following Clean Architecture and repository patterns to enforce separation of concerns and testability.
- Designed and owned multitenant data models and tenant isolation strategies for SaaS deployments, including row- and schema-level partitioning patterns to keep operational boundaries clear.
- Authored and maintained 50+ RESTful endpoints and Web APIs, applying JWT-based authentication and role-based authorization for secure client access.
- Implemented distributed caching with Redis to reduce hot-path latency and improve API response times where appropriate.
- Built and maintained CI/CD pipelines using Azure DevOps and Git; integrated automated builds, unit tests and stage-based deployments to enable frequent releases.
- Introduced Jenkins jobs and Git branching strategies for legacy integrations and cross-team delivery, ensuring consistent artifact promotion between environments.
- Instrumented telemetry and centralized logging with Application Insights and structured logging to accelerate incident diagnosis and SLAs.
- Coached engineers on OOP, SOLID design, unit testing with NUnit and TDD practices; led code and design reviews to raise code quality.
- Worked in Agile/Scrum cadence — participated in sprint planning, backlog refinement and technical estimation.
- Investigated and remediated production incidents, applied blue/green and canary deployment patterns to reduce customer impact.

Full-Stack Developer   04/2019 – 04/2025

Activeone

- Designed and built a cloud-native, multi-tenant ERP platform using .NET 6/8, ASP.NET Core Web API and React.js following Clean Architecture and Unit-of-Work patterns.
- Implemented 60+ RESTful APIs for HR, Inventory, Finance and Sales domains; modeled SQL Server schemas with indexed views and stored procedures to optimize reporting workloads.

- Implemented Redis distributed caching which reduced frequently accessed API response times by ~40% on key read paths.
- Integrated Azure Service Bus and Azure Functions to decouple long-running payroll, order processing and background workflows into event-driven pipelines.
- Developed responsive React dashboards with JWT authentication, dynamic reporting modules and client-side state management for role-based UIs.
- Built CI/CD pipelines in Azure DevOps for automated builds, testing and zero-downtime releases; used feature flags to control rollout of new capabilities.
- Authored unit and integration tests using NUnit and mocking frameworks to increase coverage for critical business flows.
- Collaborated with product and QA in an Agile/Scrum process; performed design reviews and pair-programming to distribute domain knowledge.
- Optimized SQL queries and designed data archival strategies to sustain reporting performance as tenant count and dataset size grew.
- Instrumented Application Insights and custom metrics to track API SLAs, error rates and user-facing performance degradation.

Software Engineer   03/2017 – 03/2019

Informulate

- Built backend services and Web APIs in C# and ASP.NET Core serving high-volume transactional workloads with SQL Server persistence.
- Designed and implemented event-driven workflows using Azure Service Bus to orchestrate asynchronous processing across services.
- Created React-based dashboards for operational teams; integrated live telemetry and GPS feeds to display real-time status and ETA calculations.
- Implemented authentication and authorization using JWT and claims-based access for web and API consumers.
- Modeled normalized database schemas and tuned indexes and queries to support reporting and compliance use cases.
- Worked with external telematics APIs (Samsara/ELD) to ingest driver HOS, GPS and vehicle telemetry for compliance and dispatch decisions.
- Improved frontend performance via code-splitting, memoization and selected server-side caching for frequently requested datasets.
- Participated in sprint ceremonies and used CI/CD pipelines to validate builds and automate deployments to staging and production.
- Developed integration tests and end-to-end scenarios to validate load lifecycle management and proof-of-delivery flows.
- Collaborated with DevOps to stabilize deployments, rollback procedures and environment provisioning for reliable releases.

.NET Developer   10/2014 – 03/2017

Codieshub

- Implemented ASP.NET MVC and Web API services using C# and .NET Framework for enterprise web applications.
- Authored complex T-SQL queries, stored procedures and optimized execution plans to support reporting and OLTP workloads.

- Integrated third-party services and built SOAP/REST adapters to unify data sources for downstream systems.
- Developed client-side features with JavaScript and jQuery; progressively migrated components to modern SPA approaches with React.
- Established unit testing with NUnit and CI pipelines to ensure regressions were caught early in the delivery cycle.
- Built deployment scripts and assisted in environment setup for Azure App Service deployments and SQL Azure migrations.
- Instrumented application logging and health checks to improve MTTR for production incidents.
- Participated in design sessions to select appropriate caching, batching and pagination strategies for large datasets.
- Collaborated with product owners to translate business requirements into implementable designs and user stories.
- Maintained and refactored legacy code, introducing dependency injection and repository abstractions to improve maintainability.

NOTABLE PROJECTS

Cloud-Based Multi-Tenant ERP System

Designed and developed a cloud-native, multi-tenant ERP platform supporting HR, Inventory, Finance, and Sales operations across multiple organizations. Built 60+ RESTful APIs using ASP.NET Core Web API following Clean Architecture, Repository, and Unit of Work patterns. Developed responsive React.js dashboards with JWT-based role authentication and dynamic reporting modules. Designed and optimized SQL Server schemas with indexing and stored procedures to enhance reporting performance. Implemented Redis distributed caching, reducing frequently accessed API response times by 40%. Integrated Azure Service Bus and Azure Functions for asynchronous order processing, payroll execution, and background workflows. Deployed applications on Azure App Services with CI/CD pipelines via Azure DevOps, enabling automated builds and zero-downtime releases. Implemented centralized logging, monitoring, and telemetry using Azure Application Insights to ensure reliability and operational visibility.

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Technologies: .NET 8, ASP.NET Core Web API, React.js, SQL Server, Azure (App Service, Azure SQL, Redis Cache, Service Bus, Blob Storage), Azure DevOps

Real-Time Trucking, Dispatch & Fleet Management Platform

Developed a real-time trucking and dispatch management platform supporting load planning, driver dispatching, fleet operations, and shipment tracking across multiple logistics organizations. Integrated Samsara/ELD APIs to ingest driver HOS (Hours of Service), GPS location, vehicle telemetry, and compliance data for live operational monitoring. Built an intelligent dispatch engine that auto-assigns loads based on driver availability, proximity, HOS limits, and vehicle capacity. Designed real-time fleet tracking dashboards in React, visualizing vehicle locations, route progress, delays, and ETA calculations using live GPS streaming data. Implemented end-to-end load lifecycle management, including broker load ingestion, dispatch assignment, status tracking, proof-of-delivery uploads, and automated invoicing. Leveraged Azure Service Bus for event-driven load processing, dispatch notifications, and shipment status updates. Implemented Redis distributed caching to improve dashboard response times by 40%. Designed an optimized SQL Server schema to handle high-volume driver logs, load transactions, and reporting workloads. Deployed a scalable, microservices-ready backend on Azure App Services with CI/CD pipelines via Azure DevOps, supporting thousands of daily fleet transactions.

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Technologies: .NET 8 Web API, React.js, SQL Server, Azure (App Service, Azure SQL, Redis Cache, Service Bus, Blob Storage), Samsara/ELD GPS Integration, Azure DevOps

EDUCATION

Bachelor of Science in Computer Science   2011
Globe Institute of Technology

TECHNICAL SKILLS

Languages: C#, JavaScript, TypeScript, T-SQL, SQL, HTML, CSS, PowerShell, Bash

Frameworks: ASP.NET Core, .NET 8, .NET Framework, Entity Framework / EF Core, ASP.NET MVC, ASP.NET Web API, React.js, Redux, React Router, Material UI, SignalR, Azure Functions, xUnit / NUnit

Databases: SQL Server, Azure SQL, Redis Cache, PostgreSQL, MongoDB

Tools: Azure (App Service), Azure DevOps, Git, GitHub, Jenkins, Docker, Kubernetes, Azure Service Bus, Azure Blob Storage, Application Insights, Swagger / OpenAPI, Postman, Redis, Visual Studio, VS Code, Terraform, Helm, SonarQube, Sentry, CI/CD pipelines