

# Jason Winnebeck

📍 Rochester, NY

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CV: <https://gillius.org/resume>

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## Summary

Principal software engineer who solves challenging technical problems with over 20 years of full-stack experience, primarily in Java backend services and databases. Also skilled in frontend TypeScript and DevOps (Azure, AWS, on-prem, Kubernetes). Hands-on technical leader of programs from initial requirements collection to production and quickly learn any language, tool, technology, or framework required. Comfortable in a client-facing role, provides a consultant's mindset to find the best solution that fits an organization's unique requirements.

## Skills

**Backend:** Expert Java 25, [Groovy](#), Spring Boot; Python and past C++ experience

**Database:** MS SQL / Azure SQL, Oracle, MySQL, Redis, DynamoDB

**Full-stack:** JavaScript/TypeScript, HTML+CSS; some Angular and React

**Cloud:** Azure networking, App Service, Function App, AWS, Kubernetes

**DevOps:** Docker, GitHub Enterprise, Azure DevOps, JIRA

## Experience

### [IntegraTouch](#) | **Principal Software Engineer**

1/2026 to present

- Implemented Entra ID SSO, authorization system, and Entra ID-secured REST API in Python Django with MS SQL Server for a defense communications client

### [Bosch](#) | **Cloud Solutions Architect**

4/2023 to 12/2025

Technical lead and architect of a consulting digital transformation program for a NGL fractionation client, from SOW to production

- Accelerated development by creating a Java 21 Spring Boot + Angular starter project and a Next.js + React starter, both integrated with Entra ID SSO (OIDC) and deployed to Azure App Service
- Enabled data pipeline by linking Honeywell DCS/PHD to Azure Data Factory despite challenges faced by a legacy Honeywell version and minimal documentation and support
- Eliminated \$25k/year in cloud costs through monthly Azure architecture reviews to optimize sizing and combine redundant services across teams
- Laid the foundation for long-term cloud expansion by configuring a site-to-site VPN in Azure to the on-premise data center, hub and spoke VNets, firewall and application gateway
- Saved weeks of delay by resolving technical blockers through interventions like creating a Docker container for a Python AI chatbot and troubleshooting Azure App Service deployments

Business Development:

- Maximized chances of winning a project by creating digital transformation use cases via interviews with client's VP of operations and department heads and tying those use cases to client's core needs
- Built a prototype to prove technical feasibility with Python FastAPI, SQLAlchemy, Pydantic, and Azure SQL database schema to migrate from ad hoc Excel data stores

### [Apple \(Consultant\)](#) | **Principal Software Engineer**

2/2021 to 4/2023

Technical lead of two cross-functional teams that developed internal enterprise web applications in AWS with Java 17, Angular and Webflux; consultant through [Wipro](#)

- Modernized CI/CD by moving microservices from ECS to EKS and creating a build system to deploy automatically based on push to GitHub Enterprise, supporting parallel feature development and hotfixes
- Automated testing by researching Karate and Cypress frontend testing frameworks, introducing them to the team, and training frontend leads on the chosen framework
- Enacted department's Infrastructure as Code goal by being the first adopter of Pulumi with Python as a replacement for CloudFormation

## [Windstream \(Consultant\)](#) | **Software Engineer**

8/2013 to 1/2021

Lead developer and architect for Windstream's Java-based B2B telecom sales quoting system

- Saved >\$100k/year licensing by replacing a proprietary business rules engine with a Groovy domain specific language
- Relieved sales from manually quoting the largest and most profitable customers by improving performance to support 1000+ locations (up from 40) by redesigning the Hibernate layer, optimizing Oracle DB, introducing Redis, and developing flame chart views for testers
- Eliminated resellers from having to get quotes by phone by building a partner web portal with Java CXF and AngularJS including REST and SOAP APIs allowing automations
- Increased deployments 300% by reducing end-to-end test times from hours down to 5 minutes allowing 3+ deployments per workday
- Eliminated IE6 dependency by rewriting UI from Java Server Faces to AngularJS backed by a REST API
- Facilitated move to Salesforce (from Oracle E-Business Suite) through collaborative design with Salesforce team and building integrations with SOAP and SOQL
- Created a modern development environment by migrating Tomcat microservices on VMs to Spring Boot in Kubernetes (Rancher) with a custom Gradle plugin for common configuration, setting up a Jenkins server and a Sonatype Nexus server which was migrated to enterprise-wide architecture team

## [Rochester Institute of Technology](#) | **Senior Staff Engineer**

12/2003 to 08/2013

Technical lead for Java-based vehicle health monitoring application for several US Marine Corps vehicles; resulting in patented IP and transitioned to commercial sector

- Developed patented IP ([US 8175848](#)) resulting in a spin-off company, [Vnomics](#) (now acquired by Tenstreet): onboard vehicle monitoring system using MySQL, J1939/CAN, J1587/J1708 and J1979, and Microsoft SQL Server offboard with a Java data synchronization and visualization tool
- Ensured quality standards by configuring a Linux Ubuntu server with Subversion, [Trac](#) and TeamCity, and introduced Scrum and code review processes
- Worked on same project as a co-op student in 2002-2003

## [Williams](#) | **Web Application Developer Co-Op**

2001 to 2002

- Create intranet web applications with JSP, JDBC, Oracle DB, JavaScript, CSS, and HTML

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## Testimonials

Full testimonials on [LinkedIn](#)

### **Jason Gowan, Senior Manager**

Jason continually challenges himself, stays current with emerging technologies, and proactively expands his expertise. His commitment to building high-quality software and his dedication to ongoing professional growth make him an invaluable asset to any team.

### **Preeti Kumari, Senior Software Consultant**

As a full-stack engineer with deep expertise in Java and AWS, Jason seemed to have a solution for everything. His ability to break down complex problems, offer clear guidance, and keep the team aligned made a huge impact on our productivity and confidence.

### **Christopher Piggott, Sr. Staff Engineer**

I would strongly recommend Jason to any organization looking for a senior software engineer or technical leader who can both build systems and build the processes that make those systems succeed.

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## Patents

[Data Processing Systems and Methods, 8175848](#)

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## Education

[Rochester Institute of Technology](#)

**MS, Computer Science** - Study cluster: Distributed systems; Project: Embedded databases ([RealDB](#))

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## Other

Technical reviewer for [Groovy for Domain-Specific Languages](#)

Eagle Scout, Cub Scout cubmaster / den leader