

Scott M. Hall

PERSONAL INFO

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GitHub: <https://github.com/scottman256>

TOP SKILLS

Programming Languages	Java, C# (.NET) SQL (T-SQL, Oracle SQL) JavaScript, HTML, CSS
Java Skills	Spring Boot, Hibernate (ORM), Web Services, Kafka, Junit/Mockito
.NET Skills	.NET Framework, ASP.NET, Web Services (Rest/SOAP), LINQ, Entity Framework, DNN (Dot Net Nuke - .NET CMS)
Certifications	<u>AWS Certified Solutions Architect – Professional</u> (expires Sep 2027) <u>AWS Certified DevOps Engineer – Professional</u> (expires Jan 2029) <u>AWS Certified Solutions Architect – Associate</u> (expires Jun 2026) <u>AWS Certified AI Practitioner</u> (expires Jun 2028) <u>AWS Certified Cloud Practitioner</u> (expires Jan 2029) <u>AWS Certified Developer – Associate</u> (expired Dec 2025)

CAREER HISTORY

Capital Technology Group (Remote) - <https://www.capitaltg.com/>

Principal Software Engineer

Nov 2022 - Present

Senior Software Developer

Mar 2021 – Nov 2022

Government Contractor for USCIS/Department of Homeland Security

- Promoted to **Technical Lead (May 2024)**; led estimation, technical planning, and delivery of large initiatives, including a 6-month enterprise refactor impacting 10+ applications that accelerated release and delivered **~\$300K in first-month savings**, and adding the ability for the application to process home visit appointments.
- Recognized with **17 monthly “props” awards** for individual and team contributions (over 25% of months)
- Led and mentored engineers through **code reviews, story breakdown, and defining acceptance criteria**, improving delivery clarity, consistency, and overall team effectiveness
- Designed and delivered **high-impact solutions**: decrypted and re-encrypted **75M+ documents to AWS** (1.5M/hour, zero issues), built a **Bulk Actions tool** to streamline operations, and created a **SQL Monitoring Engine** to proactively detect production issues
- Strengthened engineering quality and reliability by driving **>85% unit test coverage across microservices**, enforcing CI/CD and peer reviews
- Key contributor to **Kubernetes (EKS) migration**, leading production release, and delivered numerous API enhancements, integrations (including Kafka), and system improvements
- Tech stack: **Java, Oracle SQL, AWS (SQS, S3, EKS), Kubernetes (Rancher), Docker, Python, React, Angular, Kafka, Databricks, Git, GitHub Actions, Jenkins, Harness, Sonar Qube, Twist lock, New Relic, Jira, Confluence**

Net Driven - (Scranton, PA) <https://www.netdriven.com>

Software Development Manager
Software Developer Team Lead

Mar 2014 – April 2020
Dec 2011 – Mar 2014

- Led **architecture and development** of an enterprise SaaS platform supporting **3,000+ business customers** and **50+ customer success staff**, driving core business operations
- Delivered key **hands-on engineering solutions (through ~2017)**, including:
 - **File Processing Engine** (C# Windows service) to process diverse client CSV pricing data in real time
 - **Real-time pricing web services** integrating with external distributors/POS systems, replacing batch jobs and improving performance via caching
 - **Flexible Pricing Markup Engine** enabling dynamic dealer pricing on customer websites
 - **Tire data management system** (Excel uploads, image handling, full CRUD support) and **enhanced admin UIs** for catalog management
- Led major **infrastructure and platform initiatives**, including HTTPS migration (Cloudflare), server migration with **load balancing/redundancy for improved stability**, and upgrade to latest DNN platform version
- Managed **cross-functional projects and operations**, including email/network migrations tied to acquisitions, and contributed to **2 due diligence efforts** supporting those company acquisitions
- Established **standardized software specification process** to improve project planning, clarity, and execution across teams
- Worked within **Agile processes** (standups, sprint planning, bi-weekly sprints) to deliver consistent, iterative value
- Tech stack: **C#, ASP.NET, MS SQL Server, DNN, JavaScript, Git, Jira, Confluence**; leveraged **Salesforce workflows** for pricing, domain management, and task execution

TMG Health – (Scranton, PA) <https://www.tmghealth.com/>

Programmer/Analyst I/II/III

Oct 2008 – Dec 2011

- Recognized as the **only developer (of ~20) to receive an Award of Excellence**; promoted **twice (Level 1 → Level 3) in just over 3 years**
- Led enrollment system renovation, increasing throughput from **1,000 → 60,000 records/hour (2x client expectation)** through performance and scalability improvements
- Drove **enterprise refactor**: split batch jobs, converted Hibernate queries to stored procedures (incl. NOLOCK), added **multi-threading and multi-server support**, reduced memory usage, enhanced UI, and migrated business rules from Drools to Java
- Served as **lead developer** on a major enrollment platform and large web services application; also acted as temporary lead on another key system
- Delivered under **high-pressure conditions**, working directly with the CIO on aggressive timelines for critical initiatives
- Improved engineering practices by **establishing coding standards**, supporting hiring decisions, and building a FACETS upgrade scanning tool
- Implemented **SVN backup/mirroring solution** using SVN hooks, Apache, and OpenSSL to improve reliability
- Tech stack: **Java, JSP, Hibernate, Microsoft SQL Server, FACETS, C#**

ALLTEL - *contracted via TEKSystems* (Wilkes-Barre, PA) <https://www.teksystems.com>

Client Server Developer/Analyst

Oct 2007 – Oct 2008

- Delivered **first-level production support for 20+ mission-critical web applications**, ensuring continuity of key business operations and rapid issue resolution
- Troubleshoot and resolved issues across **complex, multi-system integrated applications** using Java, ASP.NET, Oracle 9i, portal technologies, and UNIX-based debugging tools
- **Maintained system reliability** by monitoring batch job execution, proactively identifying failures, and performing root-cause analysis to restore service quickly

USPS – (Wilkes-Barre, PA) <https://www.usps.com/>

Computer Systems Analyst / Programmer Associate
Internship

July 2006 – January 2007
June 2004 - August 2004

- Wrote several **SQL queries (Oracle)** of varying complexity to give information to business

- Wrote and analyzed several **PL-SQL procedures** that emailed user reports, did data/consistency checks, End of Day, End of Week / Quarter / Year processing, date to fiscal period conversions, and other reporting tasks

Benco Dental Supply Co – (Wilkes-Barre, PA) <https://www.benco.com/>

Programmer June 2005 – July 2006

Internship

August 2004 – June 2005

- Learned and wrote code in **7 programming languages in 2 years**
- Worked on **large web-based java applications** including building a **Google Maps application from scratch**
- Tech Used: **Java, HTML, CSS, JavaScript, Linux, VB 6, VB.NET, Unitdata, Unibasic, Redback, SB+, Domino Designer**

Employment Gap

April 2020 – March 2021

- Seeking New Employment (interview prep)
- Completed Udemy courses in Agile/Scrum Project Management, Leadership, C#, Angular, ASP.NET, Web development (HTML/CS/JavaScript), Clean Code, Entity Framework, & Unit Testing among other technical topics to enhance & brush up on skillset
- Create website: ScottMartinHall.com

Employment Gap

January 2007 – Oct 2008

Addressing Health Concern, Seeking New Employment

EDUCATION

Wilkes University (class of 2005)

Computer Science Major, Mathematics Minor

3.81 GPA (top 10%; Summa Cum Laude Honors)

Member of Alpha Chi Honor Society, nominated to the National Dean's List (twice)

Participated in the work-study program as a lab assistant and calculus tutor (helped one student go from an F to an A)