

Gregory Read

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Mission

When you work with me, I want you to think this is the best place you've ever worked and that you've grown more than you ever thought possible.

Skills

Languages

- Proficient in C#, SQL
- Additional skill set in JavaScript, TypeScript, Powershell, Rust, Scala, Go

Software

- Database: MS SQL Server, Azure SQL, Cosmos DB, Sybase, Redis, Spark, Databricks
- Frameworks: .NET, MVC, Entity Framework, Dapper, Angular, Linq, Docker, RocksDb
- Servers: IIS, SSIS, Graylog, IdentityServer, Linux, Solr, Elasticsearch, Envoy, Kafka, Prometheus, Grafana, Jenkins
- Testing Tools: XUnit, NUnit, Shouldly, Moq, Autofixture, Artillery.io, JMeter, Gatling

Cloud Technology

- Azure: Azure DevOps, Service Bus, App Services, Web Jobs, Logic Apps, Storage Accounts, Azure Maps, Application Insights, ARM Templates, Key Vault
- AWS: EC2, S3, CloudFront, Route 53, IAM, SQS, Lambda, Rekognition, SAM
- Security: Snyk, SonarQube

Productivity Tools

- Visual Studio, Visual Studio Code, SQL Management Studio, Git, Postman, Chocolatey, ReSharper, DbUp, IntelliJ, Gradle, Jupyter Notebook

Industries

- Non-profit, Medical, Sports, Banking, Inventory

Experience

Software Development Manager, Andromeda Systems Inc

Jacksonville, FL— Apr 2023 - Present

Responsibilities

- Manage two product teams of 11 remote and on-site developers.
- Improve software quality and increase productivity in an agile environment.
- Guide developers in best-practices, security principles, and company standards.

Accomplishments

- Led our SaaS team through critical upgrades by clearly defining goals and reducing meeting time. Both the team and leadership were happy with the increased productivity.
- Mentored 4 junior developers on my team. One developer was underperforming, put on an improvement plan, and later promoted.
- Increased unit test coverage in critical business logic. Taught developers how to unit test and refactor code using the single-responsibility principle.
- Ensured our code met security standards and avoided STIG violations.
- Guided senior developers in architecting solutions for data import, transmission, and authentication.

- Led a division wide developer technology discussion. This group's suggestions reduced build times and improved internal libraries.
- Assisted production support issues ranging from performance to authentication.
- While interviewing candidates, I collaborated with the technical screening group to improve our evaluation process.

Software Development Manager, Direct Care Innovations

Jacksonville, FL— Nov 2021 - Mar 2023

Responsibilities

- Manage a team of 17 geographically diverse developers in newly formed product groups.
- Lead a software team in using best-practices in code and agile methodologies.
- Reduce production bugs and reduce monthly Azure spend while adding new features.

Accomplishments

- Expanded a team of 3 developers to 17 while taking over all vendor code.
- Lowered recruiting costs by hiring through multiple channels.
- Reduced our Azure spend by over 30% (\$200k annually) while onboarding 25% more clients. Cost savings came from fixing poorly-performing queries and right-sizing resources.
- Improved code security using SAST tools in our SaaS platform and ensured committed code was HIPAA compliant.
- Reduced bugs (and complaints) in our mobile application.
- Assisted the DevOps team with pipelines and deployments.
- Ran two projects as the Technical Lead while managing a large team.
- Established and led a weekly technology discussion with engineers to share best-practices. Less experienced engineers appreciated the knowledge and team cohesion improved.
- Increased sprint velocity by helping product owners write better stories by collaborating with developers and QA.
- Started automated testing in Cypress.io to help eliminate our QA bottleneck. This effort grew into a team of 5, targeting a test automation suite to replace a manual regression test that cost \$400k/yr

Technologies used

.Net, Azure, Docker, Cypress, Jenkins, Cordova, Ionic, Azure DevOps, Jira, Serilog, Logz.io, Blazemeter, Snyk, SonarQube

Solutions Architect, Carrera Group

Jacksonville, FL— Sep 2020 - Nov 2021

Responsibilities

- Help clients architect and implement solutions using open source technology to meet their needs in the high-performance computing space.
- Mentor junior developers and teach best-practices.

Accomplishments

- Obtained Kafka certification from Confluent and helped multiple clients improve the performance and stability of their Kafka implementations.
- Took a fledgling Clinical Quality Language (CQL) evaluation engine into production. This engine parsed CQL and executed it faster than any existing solutions so we could support a Clinical Decision Support system.
- Complied with all client security guidelines by using least-privilege and correcting any findings

from the SAST.

- Created a proof-of-concept HTTP proxy in Rust that could filter JSON content responses at wire speed.
- Built a tool to use database schemas to generate SQL statements that could run in Databricks.
- Rapidly assembled a team of developers to meet the challenges of a large client.

Technologies used

Scala, Docker, Kafka, Prometheus, Grafana, RocksDB, Databricks, Scala Test, Gatling, Envoy, Rust, Linux, SonarQube

Software Development Manager, Step Up For Students

Jacksonville, FL— May 2019 - Sep 2020

Responsibilities

- Manage a department of 8 developers responsible for maintaining legacy applications, developing features, architecting new systems, and supporting production systems.

Accomplishments

- Changed developer meetings from gripe sessions to productive collaborations by using a novel meeting style called “Lean Coffee”. This agenda-less meeting allowed us to explore topics and easily share knowledge with an agreed time limit resulting in increased developer knowledge and satisfaction.
- Partnered with our Infrastructure team to implement zero-downtime releases to production. Saved over 40 man-hours a month babysitting late-night releases.
- Mentored junior developers with weekly one-on-one sessions to improve their skills and get them promoted. I helped find them assignments that would expose them to new technology and skills so they could continue their growth.
- Helped new developers get their projects running on our CI/CD infrastructure by pairing them with veteran developers.
- Used load testing to prepare for high traffic seasons (over 1 million requests per day). Load testing exposed weak points, e.g. missing database indexes, expensive queries, port exhaustion. The load tests showed where we needed to scale our resources.

Technologies used

Azure DevOps, Azure SQL, Logic Apps, Artillery.io

Senior Software Developer, Step Up For Students

Jacksonville, FL— Jul 2016 - May 2019

Responsibilities

- Lead a team of 5 developers to modernize the scholarship intake process which was responsible for over 150,000 students applying for nearly \$1b in scholarships.
- Move all new development to Azure, change the technology stack from Web Forms to Angular, and implement OAuth2 for security.

Accomplishments

- Created a production Graylog server in Azure and integrated authentication with onsite AD, handling over 40 million messages a month.
- Increased log visibility by moving logging in legacy applications from Sql Server to Graylog. This reduced the load on the database and enabled non-developers to search logs for issues. More visibility allowed us faster troubleshooting of production issues.
- Reduced cloud spending by partnering with the Infrastructure team to move our Azure

resources to a lower cost Dev/Test subscription. Further reduced costs by using Redis to cache expensive calls to Cosmos DB saving us over \$100 a month.

- Reduced code defects by writing unit tests and taught other developers unit testing principles. Created over 1,200 unit tests covering the most critical business logic.
- Improved release cycles by creating a Feature Switch library to allow large features that spanned multiple sprints.
- Increased team efficiency by writing internal tools to speed database setups and easily create clients and scopes in IdentityServer.

Technologies used

Web API, MVC, .Net Core, .Net Framework, Entity Framework, Dapper, IdentityServer, Angular, Graylog, XUnit, Fixie, Dependency Injection, Polly, AutoMapper, Linux, Azure DevOps, Cosmos DB, Azure SQL, ServiceBus, Redis, ARM Templates, App Services, WebJobs

Senior Developer, ATP Tour Inc.

Ponte Vedra Beach, FL— Jan 2011 - Jul 2016

Responsibilities

- Ensure the success of our \$40 million dollar data distribution contract by creating technical tools and then training officials and tournament personnel.
- Support the *atptour.com* public website so it performs under heavy load. Create feeds from historical data to power a website upgrade.

Accomplishments

- Gave new insights into historical data by building a new web service layer for the atptour.com website. SSIS was used to ETL historical tennis data from Sybase to a MS SQL data warehouse.
- Decreased the load on our origin servers by using HTTP cache-control headers so the CDN could base its TTL rules on the max-age. I used the IIS URL Rewrite Module and Outbound rules to accomplish this.
- Eliminated cache inconsistencies across origin servers by migrating the Sitecore CMS indexes from Lucene to a SolrCloud implementation that utilized a ZooKeeper ensemble.
- Improved our data accuracy by developing a tracking system to monitor umpire scoring accuracy and data loss. This tracking system gave real-time access to officials and greatly improved our data distribution product.

Technologies used

Asp.Net, Web API, .Net Framework, Entity Framework, SQL Server, SSIS, IIS, Solr, ZooKeeper, Linux, Jenkins, Dependency Injection, NUnit, AutoMapper, CDN

Programmer/Analyst, Jacksonville Jaguars

Jacksonville, FL— May 2000 - Dec 2010

Responsibilities

- Support the Scouting department and automate tasks to give Scouts more time to write evaluations.

Accomplishments

- Reduced the setup time for draft meetings from days to hours by creating a web based draft board using ASP.NET and jQuery to replace an antiquated system of paper labels.
- Improved Scouts' efficiency by modernizing our scouting application. I used .Net to give a unified interface by combining the functionality of separate apps that were written in J++, VB6, Delphi, and MS Access.

- Developed an encryption and audit solution for PCI DSS compliance using MS SQL 2005.

Technologies used

Asp.Net, .Net Framework, NHibernate, SQL Server, SSRS, IIS

Education

Florida State University

B.S., Physics

Continuing
Education

Azure

Azure Fundamentals: [990131728](#)

Azure Developer Associate: [H857-0159](#)

AWS

[AWS Cloud Practitioner Essentials](#)

Passions
and
Hobbies

Service work

- Mentor for [Senior Projects](#) in the School of Computing at the University of North Florida since 2017
- Volunteer at The Pulse Ministries, an outreach to local youth

Technology

- Ollama, Golang, AWS, F#, Kubernetes, Proxmox, TrueNAS

Exercise

- Running, backpacking, paddle boarding, scuba diving