

Nicholas J. Chamberlain Jr.

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EDUCATION

Master of Science - July 2011

Major: Geographic Information Systems Management

GPA: 3.9/4.0

Salisbury University, Salisbury MD

Bachelor of Science - May 2007

Major: Geography/Geosciences (Earth/Atmospheric Science)

GPA: 3.0/4.0

Salisbury University, Salisbury MD

PROFESSIONAL EXPERIENCE

Software Architect Petabridge, Houston, TX

April 2017 – September 2017

- Facilitated the release of [Akka.NET](#) (open source Actor Model framework for .NET) version 1.3.0 which included support for .NET Standard/.NET Core.
- Managed entire Continuous Integration (CI) system for Akka.NET, including TeamCity and Azure infrastructure, build scripting using F#, and test suite maintenance.
- Ported Petabridge-owned open source projects to .NET Standard/.NET Core.
- Acted as a core OSS contributor to the Akka.NET project, committing various bug fixes and coordinating production releases.

Senior Software Engineer Cambridge International, Cambridge MD

Jan 2013 – April 2017

- Lead Software Developer for all custom, line-of-business applications developed to support a multi-million dollar, international manufacturing company.
- Responsible for the development and maintenance of 20+ internal web applications built with .NET and Visual Studio using ASP.NET MVC, ASP.NET Web Forms, and JavaScript.
- Managed all business-intelligence applications built with Microsoft SQL Server Reporting Services and Analytics Services. Supported multiple Microsoft SQL Server instances, some containing 20+ databases.
- Maintain integrations between CRM and ERP systems using web services and message-based architectures.

GIS Analyst, City of Salisbury Department of Public Works, Salisbury MD

April 2009 – Jan 2013

- Project manager for the implementation of a GIS-centric computerized maintenance management system (Azteca Cityworks) within the Water Sewer Utilities Branch and Operations Division.
- Performed continual system administration, training, and technical support for 30 Azteca Cityworks users.
- Completed a comprehensive GIS Needs Assessment and GIS Cost-Benefit Analysis for Public Works.
- Managed GIS and IT budgets for Public Works. Advised department leadership on all purchases of hardware and software for Public Works. Coordinated all technology procurement with City purchasing agents.

PUBLICATIONS AND COMMUNITY CONTRIBUTIONS

- **Blog:** 2015 – Present. "[buildplease.com](#)." A collection of over 80 articles helping developers with various topics from coding in C# to software architecture concepts.
- **Book:** July 2016. *Self-Published*. "[Intuitive Testing with Legacy Code](#)." Written to help developers approach adding unit test infrastructure to a legacy code base.
- **Book:** May 2017. *Self-Published*. "[Applying Domain-Driven Design \(DDD\) with CQRS and Event Sourcing](#)."
- **Newsletter:** 2016 – Present. "[DDD Weekly](#)." Weekly newsletter of interesting links about Domain-Driven Design and related patterns.
- **Book:** November 2017. *Self-Published*. "[Event Sourcing and CQRS with .NET Core and SQL Server](#)."

SKILLS AND TECHNICAL ABILITIES

- C#, F#, VB.NET, ASP.NET MVC, Entity Framework, WCF, WebAPI, .NET Core, TeamCity, Azure, Powershell
- Node.js, Python, Golang, Bash, Git, SQL
- Test-Driven Development, Continuous Integration, Domain-Driven Design, CQRS, Event Sourcing
- ArcGIS, PostGIS, Manifold GIS, Quantum GIS
- MS SQL Server, MS SQL Server Integration Services, MS SQL Server Reporting Services, MS SQL Server Analysis Services, PostgreSQL, IBM Unidata