



Brett Johnson
Chief Software Architect
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Chief Software Architect – Over 20 years architecting and developing software applications for the Intelligence Community, DOD, and Commercial Sectors

Programming Skills

Frontend

- ◆ HTML5
- ◆ JavaScript
- ◆ TypeScript
- ◆ Angular 4-Current
- ◆ jQuery
- ◆ ASP.Net MVC
- ◆ ASP.Net Webforms
- ◆ Apache Cordova

Backend

- ◆ C#
- ◆ VB.NET
- ◆ VB6
- ◆ node/npm
- ◆ ASP.NET REST Apis
- ◆ ASP.NET Soap Apis
- ◆ Entity Framework
- ◆ .NET/dotnet

IDE's & Miscellaneous

- ◆ Visual Studio
- ◆ VSCode
- ◆ Android Studio
- ◆ Eclipse
- ◆ Batch files
- ◆ Powershell
- ◆ T-SQL

DevOps, Database, Toolkits

DevOps

- ◆ VMWare/Microsoft HyperV
- ◆ AWS (S3, Route 53, CloudFront, SES, Lambda, EC2, SNS, SQS, RDS)
- ◆ Docker
- ◆ Jira
- ◆ Axosoft Ontime

Database

- ◆ SQL Server
- ◆ MS Access
- ◆ Oracle
- ◆ MySql
- ◆ RedGate
- ◆ RDS
- ◆ Postgres

Toolkits

- ◆ Telerik WebForms UI
- ◆ Telerik MVC
- ◆ Telerik Kendo Angular
- ◆ Telerik Reporting
- ◆ Telerik WinForms
- ◆ Telerik DotNet Core
- ◆ Atalasoft Imaging/Scanning

Apis

Government

- ◆ SAM.gov
- ◆ data.gov
- ◆ NGA Geoint
- ◆ Open Source

Open Source

- ◆ leaflet
- ◆ open street maps

Commercial

- ◆ Google Cloud Messaging
- ◆ Google Maps

Previous Roles

Principal Software Developer for the Obama Campaign
Lead Software Developer, Restaurant Big Data Initiative
Lead Software Developer, Investment Banking Industry

Intelligence Community Experience - System Architecture, Development, Security, Applications

- Began work within the intelligence community in 2011, serving the DNI, NRO, NGA, and NSA
- **Chief Architect and Lead Software Developer for the NRO**
- Oversaw the redesign, re-architecture, and transition of the app from the legacy ColdFusion/Oracle platform to a modern ASP.NET 4.0/SQL Server platform
- PKI enabled the app, becoming one of the first applications to meet the Presidential IC PKI enablement directive
- Led a lean, 3-person team to redevelop the app in 2 years completely, implementing innovative new features such as a subscription-based model, drag and drop
- Leveraged Microsoft and 3rd party toolkits, including Entity Framework and Telerik, to provide increased functionality with minimum development



- Performed requirements translation into agile features and stories and prioritization of iterations implemented through Axosoft OnTime
- **Cutting edge Developer & Architect on new technology**
- Currently building a new application using Angular 4 CLI frontend, ASP.Net WebApi on DotNetCore for backend, deployed on a Docker Linux image with Docker Linux MS SQL database
- Application to be deployed on-premise and in the cloud
- **Lead Developer for an offline, cached, mobile HTML5 mapping application for the NSA**
- HTML5, cross-platform mobile application prototype allowing annotations on a shared map
- Freehand drawing on the shared map using HTML5 canvas
- Vision to deploy in 3 months
- REST/Ajax-based data synchronization services
- Lightweight client/server messaging (small text packages)

Innovative Developer – improves ROI through the use of technology by implementing properly architected and maintainable applications

- Implemented donation processing solutions for the Obama campaign and other Democratic presidential campaigns allowing enhanced throughput and improved compliance
- Lead developer on a restaurant big data platform, the first of its kind, to aggregate on-premise food and drink consumption data, with databases scaling to billions of records

Critical Thinker & Problem Solver – able to leverage technology for business development and strategic alliances

- Managed technical teams to define requirements; normalize data architectures; structure logic for improved maintenance cycles; and ensure product was delivered to clients as expected utilizing the FULCRUM Scrum process.
- Maintained 100% uptime for enterprise-level web applications utilizing skills for backup, performance, redundancy, and process-level improvements

Education and Certifications

Bachelor of Arts – University of Virginia
Security+

Career History

IC Contractor (NRO/NGA/NSA/DNI)

Chief Software Architect 2011 - Pres

Falcon Logic 2009 - Pres

VP, Software Development

GuestMetrics 2006

Lead Software Developer (Restaurant BigData)

Synetech 1999-2009

Principal, Software Development (Presidential Campaigns)

Clearances

Top Secret / SCI Clearance with CI polygraph NRO 2012/PR 2016

Top Secret DoD 2011