# ROB HORTON

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#### Technologies and Tools

C#, Angular, HTML5, CSS3, JavaScript, TypeScript, Scala, Python, Bash, PostGres , SQL, Groovy, Terraform, JSON, REST, WebAPI, VB.NET, ASP.NET, XML, ASP

VSCode, Visual Studio, IntelliJ, Docker, Zeppelin, AWS (Console, CLI, Lambdas, ECS Tasks, Step Functions, S3, and IAM), Node, Jenkins, Azure Build Pipelines, Nexus, PlantUML, WinSCP, Putty, PuttyGen

## Experience

**RGA** Chesterfield, MO **Senior Developer** 11/2020 to present

* The existing applications for the ESP Workflow team were written in .NET (circa 2008) as desktop applications, API and internal services. They no longer conform to RGA’s SSDLC policies and need to be modernized with proper deployment pipelining. This requires migrating the source code to Git, moving appropriate information from the source code to a secret manager (Vault) and setting up new deployment pipelining.
* Functioning as the sole technical person for ESP daily work, which includes handling service now tickets (internal requests and client requests for enhancements) and interfacing with the business.
* Driving direction for Agile processes around software development.
* As the premier technical resource for ESP, collaborate with leadership, architects, and other teams to create a cross-cutting migration plan which securely off-boards all clients, archives data, and provides a future-proof solution to retrieving data post-archival world after ESP is shut down.
* As the person who is singularly responsible for all technical ESP work, provide support for any security (SSDLC), server issues, and communication with clients from a technical perspective

*Used: C#, VB.NET, Powershell, JavaScript, Bash, Visual Studio, SQL Management Studio, VSCode, Jenkins, Nexus, PlantUML*

**Centene** St. Louis, MO **Senior Developer** 07/2020 to 12/2020

* Support and development on an internal application which handles prior authorization requests for doctor/prescribers. The application manages the request through a workflow and supports multiple roles for the various people that review the request along the way. Each role has their own work basket of items to review/comment on. The end of the workflow produces letters which are sent out to prescribers/members to let them know what determination was made.

*Used: C#, VB.NET, Oracle*

**Veterans United Home Loans** St. Louis, MO **Senior Developer/Dev Lead** 05/2020 to 07/2020

* Writing and supporting internal business applications using a variety of technologies such as C#, Angular, and SQL Server.

**Daugherty Business Solutions** St. Louis, MO **Senior Developer/Dev Lead** 03/2018 to 05/2020

Client: RGA in Chesterfield, MO

As a senior developer on the team, I worked with architects, developers, and data engineering team members to provide solutions RGA planned to market to external clients.

Daily activities in addition to writing code included participation in Scrum meetings, leading Scrum meetings, code reviews and documentation of processes/designs.

* Building internal applications that the business will use to market data-product offerings to their clients.
  + An Angular application is leveraged so clients can upload statistical data to a secure AWS S3 bucket. From there an AWS Step function orchestrates a workflow process to analyze the data and provide output that the client can then download via the UI for further analysis as needed.
  + The application uses a service oriented architecture/microservices for reusability and scalability.
* Building application infrastructure via Terraform.
* Creating application CI/CD pipelines in Jenkins and Azure.
* Participating in regular Scrum ceremonies with the team (Standup, Planning, Review and Retro).
* Leading task breakout sessions for team so that the team has a clear understanding of the delivery details on all stories committed to in the iteration.
* Supporting legacy Java Spring application as needed for minor enhancements.

*Used: Angular, HTML5, CSS3, JavaScript, TypeScript, Scala, Python, Bash, PostGres SQL, Groovy, Terraform, Java, VSCode, IntelliJ, Docker, Zeppelin, AWS Console, AWS CLI, AWS Lambdas, AWS ECS Tasks, AWS Step Functions, AWS S3, AWS IAM, Node, Jenkins, Azure Build Pipelines, Nexus, PlantUML, WinSCP, Putty, PuttyGen*

Client: RaboAgrifinance in Chesterfield, MO

As a senior developer and team lead, I worked with on-site Daugherty leadership as well as the dev team to estimate and design work for upcoming sprints. Worked closely with leadership to provide feedback on team performance metrics.

* Helping guide other developers on the team in discussions of leading practices, code-reviews, and team sprint goals.
  + Meeting with other dev leads each week to collaborate on any cross-cutting technical concerns among the teams, discuss architectural decisions and impacts, as well as discuss how to better serve our teams.
  + Coordinate with Team Manager and Business Analyst to ensure the team is meeting sprint goals.
  + Leading task breakout sessions each sprint.
* Web development for internal and external applications to support business solutions in the Grower and Dealer lines of service.
* Each web application serves a different line of service within the organization, helping Rabo in collecting invoice payments for loans, assisting dealers in reviewing financial transactions and providing reports to both external clients and internal employees.

*Used: Angular, HTML5, CSS3, C#, SQL, WebAPI*

**The APA** Lake St. Louis, MO **Senior Developer/Team Lead** 02/2017 to 03/2018

* Worked on web application to support APA’s League Operators and Members.
* Coordinating team efforts with management objectives.
* Mentoring team members and performing code reviews.
* Finding new and creative ways for the team to enjoy working together daily.

Organizing Scrum activities, meetings, planning sprints and guiding the organization on Scrum principles.

*Development tools and languages: ReactJS, HTML5, CSS3, Apollo, Meteor, C#, SQL, WebAPI*

**MTM** Lake St. Louis, MO **Software Engineer** 05/2014 to 02/2017

* Software development to support and enhance a suite of web apps developed for client management, trip management, claims and other internal applications.
* Daily development using MVC, JavaScript, jQuery, AngularJS, Entity Framework, SQL and WebAPI

**Syllogisteks** St Charles, MO **Senior Software Engineer** 01/2014 to 05/2014

Monsanto (contract work)

* Software development localized to Trait Field Solutions within Biotechnology. The TFS software development team works closely with TFS breeders and scientists as well as R&D IT to develop software to support the traited product pipeline.
* Daily development using the MVC framework, JavaScript, jQuery, KnockoutJS, Entity Framework and other technologies.

**Client Services** St Charles, MO **Programmer** 09/2013 to 01/2014

* Team Foundation Server administration.
* Assisting in planning new SDLC for team.
* Helping establish coding standards and best practices for new team
* Writing code in C# for internal web forms applications for both new features as well as maintenance work.
* Writing, maintaining database objects according to standards set by DBA.
* Deploying internal sites to test servers and work with internal stakeholders to test applications.
* Work with network team on deployment of new software releases for intranet applications.
* Documentation for work and writing requirements.

**Syllogisteks** Chesterfield, MO **Senior Software Engineer** 06/2013 to 09/2013

Mallinckrodt (short-term contract work)

* Assisting on data-conversion project, creating SSRS projects, as well as supporting existing .NET applications.
* Created SSRS reports to allow internal customers to view data that was previously only available via Cognos. The new SSRS reports were a replacement for the existing Cognos reports, allowing our team to support the reports without needing additional resources. o Reports used multiple, cascading parameters and conditional formatting based on the output desired. For internal views of the data, more columns were needed for analysis. However, for reports that needed to be exported, a secondary format was needed. This was managed via a parameter that re-rendered the report based on the export format desired.
* Enhanced SSIS packages, adding logging and creating new supporting procs and views for the data. These packages were then assigned to SQL jobs and created files for transmission to external recipients.

**The Phoenix Group** O’Fallon, MO **Lead Developer** 01/2011 to 05/2012, 08/2012 to 06/2013

* Led development of new order entry system for external customers o Designed application and database architecture. o Created web design for application (all CSS and HTML)
* Implemented and help standardize on jQuery for client-side effects and validation.
* Developing Windows services to automate the order-entry process by accepting orders in XML format.
* Developing web services for customers to add/update information to our systems for merchant accounts.
* Data conversion from old DB system from JD Edwards over to our Great Plains software.

**Blue Collar Development** St Louis, MO **Owner/Developer** 05/2010 to 01/2011

Client: Avala Marketing

* Day to day activities include support, maintenance and testing of new features. Working with existing specs to bring requirements to fruition. Communicating with various support staff and other developers to collaborate on standards and the best approach to solving issues that arise during development.
* Major enhancements I provided are: SSIS packages that automated the import/export of data to various output sources (files, email, and ftp). Wrote a Lead Import Manager that pulls emails from Exchange to import into the SQL database, converting the incoming XML to business objects for database storage.
* Developed a project, for fulfillment, that welcomed new boat owners, via letter, to the owner’s club after purchase.
* Authored windows services centered on managing leads in the application

Client: SBS Creatix at Washington University

* Supporting and maintaining existing internal financial applications.
* Documenting changes, writing test plans, and working with business analysts to bring solutions to the end uses.

Client: Contract for JW Terrill

* Created custom intranet site to bring together functionality from more complex web pages in a larger 3rd party application, to create custom reporting a lookup screens which were more task-focused and easier to follow for the users.

**American Railcar** St. Charles, MO **Developer** 08/2008 to 02/2010

American Railcar Industries creates and repairs railcars with their operating headquarters being in St Charles, MO. Worked on a team of 3 other developers creating new applications and supporting/upgrading legacy software/websites.

* Developing/maintaining internal custom applications for employees.
* Upgrading legacy applications to newer technologies.
* Providing user–support to employees and working with them to troubleshoot issues with applications, providing solutions for those issues.
* Evaluating and recommending process improvements to management.
* Documenting of existing processes and applications to provide internal support to IT.
* Documenting of technical requirements, providing software solutions to match and collaborating with users during testing/deployment phases. Also provided post-production support.

**Byrne Software** Chesterfield, MO **Developer** 03/2008 to 08/2008

Byrne Software develops and maintains software for various clients around the U.S. and Europe. Worked on a small team of developers there supporting/upgrading various web applications for their clients.

* Developing applications for outside clients by consolidating functionality from a larger third-party web application into smaller, task-focused Winforms-based screens.

*VB.NET, XML, SQL 2005*

* Managing incoming support requests from clients for existing software applications. Followed up with developers in addition to providing reports to management on progress of issues.

*Test-Tracker*

* Updating and maintaining web pages for the AT&T call center at client RealTime Results. Work consisted of adding new functionality and bug fixes working in both the code-behind and the UI layer of .aspx web pages.

*Visual Studio .NET 2005, Ajax, ASP.NET, SQL Server 2005*

**Forest Pharmaceuticals** St. Louis, MO **Technical Architect** 10/2001 to 03/2008

Forest Pharmaceuticals is a subsidiary of Forest Laboratories, Inc. and they manufacture, distribute, and sell Forest-branded prescription products in the United States and Puerto Rico.

* In a project management role, was responsible for leading a team of architects in NY to review/implement VS2008 and Team Systems Foundation server and provide recommendations to management and other developers.
* Was promoted in December of 2007 to Technical Architect with my primary duties being the overseeing of new technology efforts, the recommendation and implementation of new tools and standards and being a technical lead for our team. At this time, I still supported and maintained existing codebases that I had written in the past and took on new support roles when some other employees moved on to new opportunities.
* Completed an application as part of a team effort for the Credit Department that manages their returns process. This application communicated effectively with four primary sources of data (EDI files, SQL database, Oracle database and SAP)
* Developed a code generator to generate business objects for an application for the Credit Department
* Developed the company’s code standards used in the current development process.
* Completed an application for the Expense Department to track expense notifications sent to sales reps and managers.
* Completed an application for the Sales services department to track and maintain sales allocations for reps.
* Completed an application for performing mass mailings for the expense department. This was Forest’s first .NET application.

**Anheuser-Busch** St. Louis, MO **Contractor, Ajilon** 9/2000 to 10/2001

**Aurora Foods** St. Louis, MO **Programmer/Analyst** 7/1998-9/2000

**Casco Corporation** St. Louis, MO **Network Administrator** 3/1992-7/1998

### Certifications/Affiliations

* 2022 – AWS Certified Cloud Practitioner
* 2019 - ICAgile Certified Professional
* 2013 - Microsoft Certified Professional - Programming in HTML5 with JavaScript & CSS3

#### Education

2017, 2018, 2019 Devup - St Charles, MO

2015, 2014, 2013, 2012 – St Louis Days of .NET – St Charles, MO

2013 – Microsoft Virtual Academy: Programming in HTML5 with JavaScript and CSS3 - Online

2007 – Quilogy: Developing Microsoft ASP.net Web Applications - St Charles, MO

2006, 2005, 2004 – DevConnections - Las Vegas, NV

2003 - VB Master Course - Monterey Bay, CA

2000 - Oracle 8i Administrator Course - St Charles, MO