

Aaron Newcomer

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(805) 215-2936 • Overland Park, KS

Technical Skills

- **Experience** 10+ years, full-stack web applications, enterprise systems, hybrid mobile apps
- **Web** React, Redux, Webpack, jQuery, LESS, SASS, ASP.NET MVC, WebForms, Razor, GA, SEO
- **Applications** C#, .NET, ASP.NET, dotnetcore, aspnetcore, REST, GraphQL, RQL, SOAP, WCF
- **Data** SQL Server, MySQL, Postgres, NoSQL, ADO.NET, Dapper, ODATA
- **Builds** Git, Jenkins, Octopus Deploy, PowerShell, bash, Terraform, Vault
- **Quality** MS Unit, Xunit, Storybook, Jest, New Relic, Datadog, Splunk
- **Design** SOLID principles, Head First Design Patterns, async/promises, concurrency, scalability
- **AWS** EC2, ECS, Beanstalk, RDS, S3, SQS, SNS, DynamoDB, Lambda, ElastiCache, re:Invent
- **Hosting** Windows Server, IIS, Apache, Docker, Nodejs, PHP, Wordpress, Drupal, Mediawiki
- **Tools** Visual Studio, VS Code, SSMS, JetBrains suite, Eclipse, vi, notepad.exe
- **Industries** IT consulting, automotive, logistics, defense, aerospace, systems engineering, IV&V

Professional Experience

VinSolutions Mission, Kansas

Lead Software Developer September 2015 / present

Provided development services as a lead member of the software engineering team.

- Applied principles of service-oriented architecture to achieve highly performant application results for CRM and SaaS systems supporting thousands of concurrent users.
- Led teams of four to six software and quality engineers through various projects and across several product domains.
- Designed and led the implementation of several greenfield systems in AWS, establishing strategies and best-practices along the way that were adopted department-wide.
- Developed data and system integrations between other Cox Automotive business units.
- Maintained and modified dozens of existing high-activity, high-load legacy applications.
- Mentored junior, mid & senior developers as well as led communities of action on topics such as practical application design patterns and refactoring strategies.
- Performed a cross-department leadership role as a SME in AWS, Docker & devops systems.
- Participated in Agile ceremonies for scrum and kanban.
- Application domains included: customer, vehicle, compliance, valuations.

Strategic Evolution Overland Park, Kansas

Lead Software Developer August 2010 / September 2015

Provided consulting services as the lead systems architect for a variety of projects, clients, & industries.

- Architected an enterprise-level facility management system in C#, EF & ASP.NET MVC.
- Designed an online construction "punchlist" tool with a companion mobile application capable of offline sync using Phonegap & AngularJS.
- Created an HTML5 information kiosk application supporting i18n & l10n with data sourced from a custom Drupal CMS for content administration.
- Constructed an SEO-optimized marketing site for a parcel auditing company with HighCharts & Datatables.
- Wrote a mobile application to track and administrate cattle grazing patterns using ASP.NET Odata and including Google Maps integration.
- Established internal source control and documentation policies with SVN, Github & Slack.
- Provided installation, support & content for multiple Wordpress sites.

MIQ Logistics Overland Park, Kansas

Software Developer June 2009 / Sept 2010

Provided support for an LTL freight logistics company as a member of the IT department's .NET team development team.

- Supported enterprise-wide applications written in C#, VB, T-SQL, ASP.NET WebForms & MVC.
- Maintained and enhanced data system integrations with SQL Server, Oracle, XML/XSLT, JSON.
- Debugged and repaired enterprise support and reporting applications in Excel, Access, SAP.
- Upgraded and consolidated multiple aging legacy applications to modern technology stacks.
- Designed and implemented an internal WebSphere MQ monitoring web application in ASP.NET MVC.
- Participated in source control management using SVN and CMS repositories
- Provided direct support to multiple departments and business units.

L-3 Communications, Communications Systems--West Santa Maria, California

Software Developer / Trajectory Analyst May 2006 / April 2009

Provided scientific software design and support, developing algorithms and models for a rocket trajectory simulator.

- Performed rocket simulation design and analysis.
- Designed and implemented in-house libraries and mixed-language analysis packages.
- Developed custom VB.NET data processing software and analysis applications.
- Established a leading role in the redesign and modernization of legacy FORTRAN code base.
- Maintained interfaces to C++ libraries used for emulating Ada flight software & telemetry systems.
- Created scripts, GUI's, MATLAB tools & protocols resulting in increased unit productivity.
- Promoted and implemented a well-received wiki-based documentation process.
- Published reports to the customer resulting in 40 consecutive 100% contract award fees.

Raytheon, Space and Airborne Systems El Segundo, California

Multi-disciplined Engineer June 2004 / May 2006

Responsible for providing software development & general engineering support.

- Developed an on-line part tracking, failure documentation & repair status web suite leveraging Oracle database back-ends, third-party EJB/J2EE interfaces & a custom HTML/XML/XSLT/JavaScript/CSS front-end.
- Designed failure reporting documentation databases; VB/DAO/Access front-ends, Oracle back-ends.
- Mathematical modeling support across several MATLAB projects supporting advanced radar systems.
- Increased contract profitability through spare part allocation models (object oriented-principles, advanced algorithms, VB, C++).

Mathematics Department California Polytechnic State University, San Luis Obispo, California

Graduate Teaching Faculty September 2002 / June 2004

- Served as an instructor for undergraduate calculus series.
- Prepared and delivered all lecture material.
- Assigned, collected & graded all coursework, including exams.
- Developed communication, organization & time-management skills.
- Received excellent reviews from students and staff supervisors.

Education

California Polytechnic State University San Luis Obispo, California
Master of Science, Mathematics September 2002 / June 2004

- 4.0 GPA
- Award for Outstanding Graduate Teaching

California Polytechnic State University San Luis Obispo, California
Bachelor of Science, Mathematics September 1998 / June 2002

- 4.0 GPA
- Outstanding and Meritorious Awards in the Mathematical Contest in Modeling
- Awards for Excellence in Mathematics, Outstanding Senior, Outstanding Junior
- Supplemental studies in statistics, physics & computer science

Personal & Professional References

Available upon request.