Jarom Jones

resume.spoken743@passmail.net
206 330 0332

Summary

Seasoned **Software Engineer** with over fifteen years of experience designing, implementing, & maintaining enterprise software solutions. Software **Engineering leader** with several years of experience mentoring as well as leading projects with various technical requirements. Heavy computational theory & math background plus business mind. **DevOps** focus on system performance, automated test coverage, auto-scaling, and CI/CD pipeline maintenance.

Relevant Skills & Experience: **Angular, React, Vue, Javascript, Java, TypeScript, C#, SQL, Amazon AWS, Docker, Elastic, Node, ngRx, rxJS, Postgres, Redis, Git, Microsoft Azure, DevOps, CI/CD, System Architecture, & API Design.**

Skills

Management
Managing employees
Mentoring & coaching developers
Prototyping solutions for business stakeholders
Agile (*Scrum*) & Waterfall

Systems
.NET, Node, JVM, Web, Amazon AWS, Microsoft Azure, Windows, Linux, BSD

Development
Java, C#, LINQ, ASP.NET MVC, NuGet, WebApi, EntityFramework, & OAuth/OpenId
SQL (*Microsoft*, *Oracle, Postgres*), Excel
Javascript, TypeScript, Node, Angular, React, Vue, Handlebars, Knockout, Bootstrap, & jQuery
Amazon AWS, Microsoft Azure, Linode, Digital Ocean
Redis, Elastic Search, MemCacheD, CouchBase, SignalR
PHP, MySQL, Linux
WiX, Windows PowerShell
C, C++, Perl, Java

Experience

Fuel Talent (Alaska Airlines), Senior Software Engineer [Remote, WA] 12/23-Current

Joined backend team at Alaska Airlines for enterprise modernization initiative more specifically handling full stack cloud development for the revenue management division. Currently working on feature requests, performance, and stability improvements for the promotions and discounts team.

Skills: DevOps · Research · Mentoring · Documentation · Triage · Agile (Scrum) · Git · Microsoft Azure · C# · JavaScript · Redis · SQL

Contributions:

- Backfit automation and unit testing on legacy implementation to scope predictable outcomes for legacy codebase to feel confident code changes can ship without being undermined by costly regression.
- DevOps engineer responsible for maintaining and improving Azure CI/CD pipelines to ensure safe and reliable deployments to multiple environments.
- Updated and drafted new system architecture diagrams to offload tribal knowledge to a centralized repository and wiki.

Consumer Cellular, Senior Software Engineer [Remote, WA] 02/23-12/23

Joined the retail & commerce team to make feature changes, performance, and stability improvements to production systems

Skills: DevOps · Research · Mentoring · Documentation · Triage · Agile (Scrum) · Git · Microsoft Azure · C# · JavaScript · Vue · Redis · SQL

Contributions:

- Joined project to encapsulate shipping logic within a service api for custom enterprise telecom system with extensive legacy code base
- Technical lead on a project for an external retail partner api. This api offered capabilities to add customers, lines, devices, plus change plans, switch devices, sims, and port service numbers backed by a custom commerce and systems platform

Hubb (Notified), Software Engineer & Team Lead [Remote, WA] 06/21-02/23 (*RIF*)

Joined feature team developing a CMS for admin users to configure site and form data collection without coding experience. It integrated with a custom backend using Azure Queues & Blob Storage. Assisted with dev ops initiatives to improve CI/CD, testing & code coverage, and system performance.

Skills: Azure DevOps · DevOps · Prototyping · Research · Mentoring · Documentation · Triage · Agile (Scrum) · Redis · Angular · TypeScript · SignalR · NgRx · Git · Microsoft Azure · C# · Microsoft SQL Server · JavaScript

Contributions:

- Mentored developers and other teammates to grow people, improve team collaboration, and distribute team skills
- Worked with Dev Ops to improve CI/CD pipelines, unit/integration tests, and system performance
- Supported business stakeholders when unplanned events occurred by triaging issues openly with rapid response and root cause analysis
- Built a real-time web chat application using Angular, TypeScript, .NET, SQL Server & SignalR to allow event attendees to message each other and event organizers
- Enhanced custom CMS solution for admin users to build forms using a WYSIWYG editor. The solution allowed admin users to define forms and configure how the data would be collected by system. It didn't require any coding knowledge

Cayuse, Principal Software Engineer [Portland, OR] 06/20-06/21

Led team developing a web application for research grant proposals and awards management. The application was built using React, Javascript, Java Spring Boot, and a custom integration with Flowable. Multi-tenant solution hosted on AWS using Terraform CI/CD for multiple environments.

Skills: DevOps · Mentoring · Documentation · Triage · Agile (Scrum) · Web Development

Contributions:

- Mentored developers with a variety of personal & professional backgrounds
- Researched factors to inform best possible development outcomes based on system and personnel constraints, stakeholder inputs, and other available intelligence
- Established developer trust by providing a safe & healthy space to communicate openly, resolve concerns, & remove barriers to keep business moving forward

Cayuse, Sr. Software Engineer [Portland, OR] 01/20-06/20 *(promotion)*

Skills: AWS · Docker · Elasticsearch · PostgreSQL · React · Git · Java · JavaScript

Contributions:

- Prototyped a web application using React, Javascript, Java Spring, ElasticSearch, Postgres, nginx, and a third-party workflow engine
- Automated deployment pipeline based on merge triggers and support engineer intervention
- Worked through an interactive technical review and planning process to stream features for customer UAT verification
- Engaged business stakeholders when unplanned events occurred by triaging issues openly with rapid response

AltSource, Technical Lead [Portland, OR] 01/19-01/20

Launched custom enterprise e-commerce application for telecom provider with 2-3 million subscribers

Skills: Prototyping · Research · Mentoring · Documentation · Triage · Agile (Scrum)

Contributions:

- Coached developers with a variety of personal & professional backgrounds
- Spec/shipped feature work depending on project requirements, developer affinity, & client timeline
- Continued learning from the many smart & gifted individuals around me every day

AltSource, Sr. Software Developer [Portland, OR] 08/15-01/20

Prototyped, implemented, & maintained enterprise sales & billing systems as part of a team

Skills: .NET Framework · Vue · Git · C# · Microsoft SQL Server · JavaScript

Contributions:

- Prototyped, implemented, & deploy e-commerce solution for enterprise client supporting $5 million USD in gross monthly revenue & 500k unique monthly sessions
- Gracefully degraded legacy software using the powers of indirection & logical encapsulation
- Engaged business stakeholders when unplanned events occur by triaging issues openly with rapid response

Jenkon, Sr. Software Engineer [Vancouver, WA] 05/13-07/15

Developed features for core platform & by customer spec

Skills: .NET Framework · Web Development · Microsoft SQL Server · Databases · ASP.NET

Contributions:

- Developed software features by customer or internal need
- Refactored legacy code base to improve reliability and performance
- Improved test coverage to press automated regression analyses
- Designed & implemented data migration, script implementation, & schema enhancements by customer or internal need

CD Baby, Senior .NET Developer [Portland, OR] 07/11-05/13

Developed artist metadata verification system for Apple iTunes integration & artist rights management for SongTrust integration. Also built a custom reseller integration for handling wholesale accounts more efficiently.

Skills: .NET Framework · Redis · C# · Microsoft SQL Server · JavaScript · ASP.NET

Contributions:

- Developed external integrations for programmatic verification and correction of artist metadata for consumption by iTunes, Amazon, and other partner catalogs. Feedback provided from Apple stakeholders: system met the "gold standard"
- Implemented SongTrust integration for artist rights registration and management using latest web standards
- Maintained legacy system, developed software features for custom music engagement platform

EarthSoft, .NET Software Engineer [Concord, MA] 12/08-07/11

Implemented software modules to analyze water quality features using maths in addition to leading "dev ops" initiatives for team

Skills: Research · Oracle Database · AutoCAD · C# · Microsoft SQL Server · Databases · Windows

Contributions:

- Implemented tools for clients to analyze water quality data using statistical interpolation, linear regression analyses, and isopleth contour graphing
- Led DevOps initiative to improve internal build systems, automation, and release packaging
- Built data migrations to automate data import & export using Excel, SQL Server, & Oracle to unlock wider data analysis possibility

ZenPlans, Owner [Ogden, UT] 5/04-11/08

Started business to design & sell plans to builders, homeowners, & investors

Skills: Design · Research · Business Development · Entrepreneurship · AutoCAD

Contributions:

- Started business to sell home designs to builders and homeowners

- Developed AutoCAD plugins to mitigate cost centers & improve operational efficiency
- Designed & built project management solution to reduce overhead & distribute workloads

Medicity, Interface Systems Engineer [SLC, UT] 9/03-4/04

Built a custom FTP service & implemented external health care system integrations as part of a team

Skills: .NET Framework · Microsoft SQL Server · JavaScript

Contributions:

- Designed & built custom multi-threaded C# FTP server based from RFC with HIPAA-compliant authorization stack
- Implemented health care eligibility engine to accept provider records in custom format for parse and map into normalized Medicity data structure
- Picked up C#/.NET, & SQL Server as the job demanded in rapid fashion
- Helped manage uptime, improve overall system response time, & performance levels

University of Utah, Computer Science Teacher's Assistant [SLC, UT] 6/00-12/01

Teacher's assistant for various professors and courses at the CS department

Skills: Mentoring · Teaching

Contributions:

- Assisted for (3) computer science courses
- (2) were introductory courses aimed at incoming freshmen & sophomores
- (1) was a graduate level course in operating systems

Projects:

- Designed *C-* compiler from a given language specification that had integer types, arrays, & classes. Performed live-variable analysis to optimize register placement over slower slower stack memory.
- Developed a parsing engine variant that mapped different input streams to a singular representation for uniform back-end processing. Identified bugs in the parsing engine (C#/.NET) and reported back to the original maintainer as a good citizen.
- Implemented a miniature Unix-style OS for a Sparc machine. The OS provided basic I/O functionality, multiprogramming, inter-process communication, & protected virtual memory management.
- Implemented SIGGRAPH 2000 paper describing how to incorporate cellular automata theory to derive suitable cloud formation logistics. Also developed a rendering engine with "billboarding" textures & Gaussian blurring to approximate cloud puffs based on simulated voxel density data.
- Virtual aquarium developed using OpenGL & genetics algorithms as a real-time simulation & rendering engine of fish behavioral patterns, including recombinant genetic theory involving natural selection to define predator/prey relations.

Cosmic Ray Research Group (Aspire), Univ. of Utah, Java Developer [SLC, UT] 3/00-6/00

Developed Java/Web Applets as part of a group to help students learn fundamental physics concepts interactively

Skills: Research · Web Development · Java · JavaScript

Education

B.S. Computer Science, University of Utah, Graduated 12/01, 3.57 cumulative GPA
A.S. General Studies, Weber State University, Graduated 8/97, 3.83 cumulative GPA

Foreign Languages

German [2 yrs]