

## Contact

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[www.linkedin.com/in/stuartzahn](http://www.linkedin.com/in/stuartzahn)

[coderstu.com](http://coderstu.com) (Personal)  
[github.com/szahn](https://github.com/szahn) (Portfolio)

## Top Skills

C#  
.NET  
JavaScript

## Certifications

AWS Developer Associate  
Azure Developer Associate  
Microsoft Certified: Azure  
Fundamentals  
Node.JS Application Security and  
Secure Coding Training

# Stuart Zahn

Senior Cloud Engineer  
Scottsdale

## Summary

I consider myself a software craftsman skilled at increasing organizational efficiency by utilizing cloud architecture to develop and deploy enterprise solutions. I have developed businesses processes, websites, and data driven APIs in diverse industries, languages and platforms. In addition to development, I enjoy automating software delivery with DevOps best practices.

Qualifications: Azure, AWS certified full stack expertise in C# ASP.Net Core, Node JS, Typescript, React, Go with DevOps automation deploying CI/CD pipelines in Docker, Kubernetes, Jenkins, Terraform.

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## Experience

### Slalom

#### Consultant

September 2019 - Present (1 year 8 months)

Scottsdale, Arizona

Developed Node JS Express microservices for ingestion, and retrieval of GeoJSON which was deployed as Docker containers. Services utilized NoSql, serverless, FaaS development approaches for agility and included API usage monitoring, logging, auditing and OAuth middleware.

Developed banking applications on Azure on .Net, NodeJS/Express, Vue/Nuxt stack and deployed to Kubernetes with Azure DevOps, Helm.

Developed Tableau integrated AWS chatbot with React JS, AWS Lex, Lambda.

### Fender Musical Instruments Corporation

#### Senior Software Engineer Contractor

March 2019 - August 2019 (6 months)

Scottsdale, Arizona

Implemented an order processing workflow utilizing AWS Lambda, S3, API Gateway, SQS, SNS and DynamoDB to process thousands of orders daily. Components included Go, Node serverless functions, OAuth authentication and an AWS Glue ETL pipeline in Python that processed thousands of product SKUs from XML and JSON. Deployed with Serverless Framework, CloudFormation, CircleCI and Terraform.

Designed responsive, mobile-first eCommerce SaaS web apps in HTML5, CSS (Sass) and Javascript. Implemented Stripe payment processing. Unit tested with Puppeteer, Docker, Mocha, Chai.

## PriceSpider

### Senior Platform Engineer

August 2018 - March 2019 (8 months)

Irvine, California

Developed event driven data processing REST and gRPC APIs with ASP.Net Core, Typescript, Node and Go. The APIs utilized Puppeteer, Redis, RabbitMQ and Google Pub/Sub to process millions of URLs daily, serving product SKUs to GraphQL in a React single page application.

Optimized performance of SQL Server and PostgreSQL data access layers. Scripted Linux command line tools to deploy hundreds of Docker containers to Google Kubernetes Cloud with Helm. Centralized logging and monitoring of critical applications with Elasticsearch (ELK), LogicMonitor, Logstash and Prometheus.

## Mi9 Retail

### Senior Web Architect

March 2015 - August 2018 (3 years 6 months)

Remote

Developed mobile-first, responsive, ERP web apps using HTML5, Bootstrap, Javascript (ES6), Typescript, React, Redux and ASP.Net Core. The applications featured SQL data access layers, business intelligence and data pivot grids that provided inventory supply and demand analytics. Unit tested with Browserstack, Jasmine and Jest. Deployed to Azure App Service and Blob Storage with Powershell and Teamcity.

Implemented multi-tenancy with an OAuth 2.0 identity server for single-sign-on integration with Azure Active Directory which utilized PKI, RSA, SSL. Containerized with Docker and deployed to Azure.

Synchronized Atlassian Jira customer data between cloud and on-premise. The process utilized Azure Service Bus for batch processing, OAuth and REST.

ancora Software, Inc.

Senior Web Developer

March 2012 - March 2015 (3 years 1 month)

Irvine, CA

Lead development of a document management SaaS platform powered by Java, Grails, Groovy, Spring, Maven for high-volume imaging, classification and ETL of financial documents. Implemented LDAP authentication, Lucene full text search, document extraction and text recognition OCR services. Deployed and managed JVM with VMWare. Trained a team of distributed developers to practice high quality coding standards in an agile methodology.

Automotive.com

Web Developer

September 2011 - March 2012 (7 months)

Irvine, CA

Improved SEO and performance of ASP.Net MVC CMS (Content Management System) sites serving in-market and auto enthusiasts. Meeting quality assurance requirements by writing 100% successful unit tests in NUnit. Maintained 80% code coverage on platform unit tests using NCover.

AMI - The Paperless Company

Solution Engineer

February 2008 - September 2011 (3 years 8 months)

Los Angeles

Transformed business processes to paperless from pre-sales to implementation of Laserfiche Electronic Content Management system (ECM). Integrations included developing Javascript, HTML applications and C#, Microsoft .Net workflows and WCF services featuring document classification, text extraction and electronic forms recognition.

PFA Inc

Software Developer

September 2005 - December 2007 (2 years 4 months)

Sun Valley, CA

Developed forms automation processes that enabled data entry clerks to review thousands of public records at a reduced error rate. Processes included

Leadtools C#, C++, PDF imaging libraries that maximized OCR capabilities of hardware scanners.

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## Education

University of Illinois Springfield  
Computer Science · (2014 - 2016)