

# DAVE STENSGAARD

## Senior Software Engineer

@ info@devdave.com

🔗 linkedin.com/in/dave-stensgaard

📍 Orting, WA

## SUMMARY

Senior software engineer with experience building and scaling cloud services, APIs, and backend platforms. Background includes Azure, distributed systems, service modernization, and mentoring engineers, with a focus on reliability, performance, and cost-conscious design.

## EXPERIENCE

### Senior Software Engineer

#### Microsoft

📅 06/2018 - Present

- Designed and scaled an internal email service using Azure web jobs and Cosmos DB.
- Re-architected the internal email service API from synchronous to asynchronous processing, increasing resiliency and scaling throughput from 90M to over 1B messages per month while boosting availability from 99% to 99.999%.
- Reduced cost per thousand emails by 50% through performance optimization and Azure-native services.
- Integrated existing email and commerce services into new sovereign and air-gapped cloud environments.
- Modified existing commerce services to use new scalable data sources.

### Senior Software Engineer

#### Alaska Airlines

📅 01/2017 - 06/2018

- Enhanced and maintained functionality across the www.alaskaair.com platform utilizing React and C#.
- Provided mentorship and technical guidance to engineering colleagues on advanced software development methodologies and design patterns.
- Leveraged Visual Studio Team Services (VSTS) to develop, edit, and manage CI/CD pipelines for Azure deployments on both new and existing projects.
- Architected and implemented an API responsible for delivering baggage allowance information to customers during the flight check-in process.
- Developed a generic promotion template API enabling the content team to independently create new promotions without developer intervention.
- Designed and deployed a user-initiated, fault-tolerant API facilitating secure electronic fund transfers from Virgin to Alaska.

### Senior Software Developer

#### Groundspeak

📅 03/2011 - 01/2017

- Enhanced and maintained features for geocaching.com, its API, and internal tools.
- Mentored other engineers on development practices and shared technical guidance to improve team execution.
- Contributed to redesigning and deploying a new payment API for all platforms (mobile/web).
- Provided partner support and technical guidance for the public API.

## SKILLS

### Cloud Computing

Microsoft Azure

App Services

Azure Functions

Azure SQL

Cosmos DB

Application Insights

Azure Monitor

cost optimization

high availability strategies

cloud architecture patterns

system design documentation

### System Reliability and Performance

system reliability

performance

high availability

cost reduction

### API Development

API design

API development

Windows services

### Technical Problem-Solving

debugging

problem-solving

complex technical issues

### Continuous Integration/Continuous Deployment (CI/CD)

Azure DevOps

Visual Studio Team Services (VSTS)

automated build processes

automated deployment processes

# EXPERIENCE

## Senior Software Developer

### Continuant

- 📅 03/2009 - 03/2011
- Oversaw development, deployment, testing, and source control processes.
  - Built and managed a developer team handling application maintenance and new projects.
  - Developed Windows services in C# 3.5 to address complex business needs.
  - Led implementation of an internal ERP web app using ASP.NET MVC 2, C# 4.0, Angular, and SQL 2008.
  - Designed and deployed TFS 2008/2010 source control solutions.
  - Provided expertise to secure Microsoft Gold Partner and ISV status.
  - Created a C# 3.5 Windows Forms app that achieved Windows 7 certification for ISV qualification.

## Senior Developer

### Guidant Financial Group

- 📅 12/2007 - 02/2009
- Converted a paper contracts process to an electronic system via the company's production website.
  - Enhanced proprietary ERP and production websites with new and updated features using ASP.NET Web Forms, C# 3.5, and SQL 2005.
  - Outlined steps for implementing a continuous integration infrastructure.
  - Built and maintained application build scripts with MSBuild.
  - Led data migration from proprietary databases to Salesforce using SQL 2005 DTS packages, console apps, and C# 2.0 web services.
  - Integrated Salesforce with internal workflow and billing systems through Apex code and C# 2.0 web services.

## Software Developer

### Apex Wine & Sauna

- 📅 04/2002 - 12/2007
- Developed and implemented an internal Intranet application to centralize business management.
  - Reduced sales proposal turnaround by 70% (from 10 days to 3 days) through internal intranet application.
  - CellarSpace: ASP.NET C# 2.0 front-end communication tool with login.
  - Wine Inventory: Web-based wine database for efficient cellar management.
  - CellarTec: Created remote cooling system-monitoring application.
  - CellarPod: Worked with an external R&D partner to develop a monitoring application for a custom cooling controller, successfully integrating new monitoring capabilities with existing cooling equipment.

# SKILLS

## Programming Languages & Frameworks

| C#         | NET Framework | NET Core |     |
|------------|---------------|----------|-----|
| JavaScript | React         | Angular  | SQL |
| Kusto      | VB            | VB.NET   |     |