

# SHANE BRUMBACK

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## SUMMARY

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An experienced web developer specializing in 3D interactive apps and AWS cloud technologies with a focus on serverless architecture. Proficient in GitHub and CI/CD automation with a background in developing WebGL 3D interactive applications and games. Skilled in content creation, SEO, technical content optimization for user engagement and website performance. Strong problem solving and analytical skills. Experienced with Agile development methodologies. YouTube video editing and creating social media ads.

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## TECHNICAL SKILLS

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- **Latest Languages:** HTML, CSS, Javascript
  - **Latest Frameworks:** WebGL, AWS Lambda & Product API. Node.js, Three.js, Vanilla JS, .NET
  - **Data:** JSON, XML, DynamoDB, SQL Server
  - **Services:** GitHub, AWS Services, AWS CloudFront, AWS S3, AWS EC2
  - **Methodologies:** CI/CD, Full Stack, Agile Project Management, AWS Serverless Architectures
  - **CMS Systems:** Wix, DotNetNuke, WordPress, SharePoint & SiteCore
  - **Project Management Systems:** JIRA, Confluence
  - **IDE's:** Microsoft Visual Studio 2011-2022
  - **Content Creation:** Video Editing, Diagramming, PowerPoint, Photoshop, GIMP, Social Ads
  - **API's:** AWS API Gateway, Amazon Product API, Gamepad API
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## PROFESSIONAL EXPERIENCE

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### **Solution Architect / Full Stack WebGL 3D Game & Web Developer | Interactive UIUX**

Fort Worth, Texas | 2021 - Present ( **My Company - Various Contract Work**)

- 3D Web based Interactive Character Controller
- Designed and developed scalable serverless solutions on AWS for various clients, including API Gateway, Lambda, DynamoDB, S3, CloudFront and CloudFormation
- Implemented secure and resilient architectures, including user authentication and authorization, encryption, and disaster recovery
- Designed and developed 3D games and applications using Three.js, WebGL and AWS Services
- Collaborated with clients and stakeholders to understand business requirements and translated them into technical solutions.
- CMS System Development
- Search Engine Optimization
- Wordpress WebGL Three.js 3D Medical Model Integration
- Email Landing Pages
- Amazon Product API Development
- Social Media Account Management
- Social Media Ad Development
- YouTube Video Editing & Creation

### **Full Stack Developer | Lockheed Martin**

Fort Worth, Texas | 2020 – 2021 ( **Contract Work** )

- Developed and maintained full-stack web applications to support resource management, utilizing HTML, CSS, Javascript, C#, ASP.NET and SQL Server
- Collaborated with a team of developers, project managers and business analysts to deliver high-quality software solutions
- Developed performance improvements for large SQL dataset query delivery
- Developed performance improvements for front end user experiences

## **Systems Architect / Lead Software Developer | MCR Oil Tools**

Arlington, Texas | 2010 – 2020

- Development of a customer portal, including an R&D electronic trigger system, using HTML, CSS, Javascript, ASP.NET, C# and SQL Server CMS System
- Designed and developed a scalable cloud-based solution for data collection and analysis utilizing AWS technologies including Lambda, S3 and CloudFront
- Managed a team of developers and collaborated with cross-functional teams to deliver projects on time and within budget
- Social Media Account Management
- Social Media Ad Management
- YouTube Video Editing & Creation

## **Engineering Software Developer | Jacobs Engineering**

Fort Worth, Texas | 2004 – 2010

- Designed and developed 3D simulations and animations using Autocad and DirectX
- Developed and maintained ASP.NET web applications and SQL Server databases
- Collaborated with project managers and stakeholders to deliver high-quality software solutions
- Architect and Developer of the Sonic Restaurant Automated Drawing Generator
- Architecting Automated Autodesk Systems using custom software solutions to increase engineering and architectural design CADD workflows.

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### **AWARDS**

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- MCR Oil Tools GET-ER Done Award Pipe Recovery Field Reporting System
  - MCR Oil Tools President's Award Pipe Recovery Remote Firing Mechanism
  - Jacobs Engineering Sonic Restaurant Construction Drawing Generator

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### **CERTIFICATES**

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- ASP.NET 2.0 Certification
  - AWS Product API Authorized Developer
  - ATA 1st Degree Black Belt Certification
  - ATA 2nd Degree Black Belt Certification

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### **VOLUNTEER WORK**

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- Lion's Club Kids Baseball Coach
  - Upwards Basketball Coach
  - Youth Martial Arts Forms Training Assistant
  - Church Volunteer Kids Programs

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### **EDUCATION**

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- Bachelor of Science, Information Technology Management | DeVry University
  - Industrial Engineering, Computer Aided Design | Weatherford College

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### **CONTACT**

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