ZACHRY D. BAKER

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Objective: In-House or Contract Software Engineer

Forward-thinking software professional dedicated to leveraging appropriate technologies to drive process improvements and deliver great solutions and experiences. Sixteen years of experience in full-stack, data-driven software development, with a focus on web applications, in the industries of software consulting, energy services, higher education and internet startups. Skilled at translating client requirements into effective business solutions. Passionate about making a difference in the lives of the under-served and marginalized. Interested in opportunities remote or local to San Marcos, Texas.

TECHNICAL EXPERTISE

Architectures	Microservices & Monoliths, 4-Tier/SOA Single-Page Web Applications decoupled from Web APIs. N-tier caching, Scaling up-and-out, and Service Containerization via Docker.
Frameworks	.NET Core, ASP.NET MVC, Entity Framework Core, VueJs, AngularJs, etc
Libraries	jQuery, Bootstrap, Handlebars, Grunt, Snap.svg, and many more.
Tools & IDEs	Git, VS, VS Code, nodejs/NPM, Swagger, Docker, SSMS, etc. Jenkins, TeamCity, TFS, and VSTS build systems.
Languages	C#, C++, Typescript, Javascript, TSQL, etc.
Databases	Microsoft SQL server, SQLite, MySQL, PostgreSQL, MongoDB
Project Mgmt	Agile principals and SCRUM methodologies, Jira proficient. Project management experience and masters-level coursework and projects. Small group, project and team leadership

PROFESSIONAL EXPERIENCE

CAPSHER Technology, Inc | College Station, Texas & San Marcos, Texas
Technical Lead, Implementation Lead, Senior Software Developer – 2013 to 2019
Recruited as the first remote hire senior developer in this medium-sized, energy sector-focused software consulting company. Primarily impacted the technical design and implementation of entire systems – both the back-end platforms and the web and iOS apps in field & central office use.

Key Contributions:

- **Bolstered company-wide effectiveness and aptitude in web projects and improved experiences with clients** by applying my expertise and capabilities in patterns and processes of delivering performant, scalable and excellent web applications

- Consistently **kicked off projects – or returned faltering projects – to success.** By prototyping concepts for the client & filling project gaps in various roles and tech needs, I made a difference in diverse ways, such as leading small development teams, making occasional client visits for light consulting work, training, requirements gathering and field acceptance/observation.

- Designed and implemented a feature-rich web client MVC Single Page App framework. This **resulted in quick turnaround on several successful projects and brought consistency, predictability and acceleration in web development for CAPSHER – addressing the challenge of getting newer developers more quickly productive** in web development.

BlogTalkradio, Inc | New York City, New York & College Station, Texas
Technical Lead, Senior Software Developer – 2007 to 2013
Recruited as technical lead for a new NYC-based startup to overcome operations troubles and product gaps to create the first major web-based live broadcasting and on-demand podcasting platform.

Key Contributions:

- Co-designed and developed the scalable, distributed platform that **efficiently handled the 24-7 demands of worldwide prime-time programming and very large audiences of special guests such as President Obama and movie stars.**

- Constructed "The Studio" - a web-based integration of telephony and stream broadcasting – empowering talk show hosts and podcasters with the necessary tools – caller switchboard, private screening, file playback, and live production. The platform **achieved the vision of providing a means for anyone to host their own live talk show, for free, on the web**. When I heard even little kids hosting their own shows, I knew **we constructed a platform where anyone could make their voice heard**.

The Texas A&M University System | College Station, Texas
Systems Analyst – Enterprise Systems Initiatives – 2005 to 2007
Software developer and liaison for the Communications and Financial Accounting groups.

Key Contributions:

- Handled the migration of a discordant & insecure 50,000-file group of internal websites with several departments to a modern and common platform, rewriting applications in ASP.NET and C#. **System employees now had a single, streamlined support path for publishing information and getting website support**.

- Developed internal apps **consolidating the information systems used by the 38,000 employee-wide A&M system** such as the Enterprise Data Warehouse and single-sign-on, as well as external sites such as http://tamus.edu.

Texas A&M University at Qatar | Doha, Qatar
Lead Campus LAN Manager / Microcomputer Administrator – 2003 to 2005
Accountable for all software & hardware, for up-time, reliability, security, maintenance, and performance of all resources in data center, offices, and labs to support faculty, staff, and students.

Key Contributions:

- Created extensible network access software which **facilitated automatic administrative & housecleaning functions, prevented possible security compromise, protected confidential information, minimized system training and support, and provided role–based access to network resources** for faculty, students and staff.

- Created a user management system to integrate with Active Directory and automate many administrative tasks for TAMUQ IT.

EDUCATION & TRAINING ──

Master of Science — Management Information Systems
Texas A&M University, College Station, Texas

Bachelor of Science - Computer Engineering
Texas A&M University, College Station, Texas