William “Will” Armstrong Sr.

Back end Software Engineer |(945)227-7634 | [will.ea.armstrong@gmail.com](mailto:will.ea.armstrong@gmail.com) | [GitHub](https://github.com/warmstrongsr) | [LinkedIn](https://www.linkedin.com/in/williameaarmstrong/) | Garland, TX

Experienced project manager with a diverse background in Software Development. Experienced in developing serverless solutions using AWS technologies such as Lambda, API Gateway, DynamoDB, and S3. Agile expert equipped with an MBA and certifications in project management, Scrum, and Lean Six Sigma, along with recent completion of a full-stack web development bootcamp. Seeking a technical role that allows for further growth and contribution in backend development. Seeking a technical role that leverages both management expertise and technical skills to contribute to a dynamic software engineering team.

**TECHNICAL SKILLS AND CAPABILITIES**

**Languages:** CSS, HTML, Java, JavaScript, Python, SQL, Node.js, XML

**Frameworks:** Bootstrap, Flask, Jinja 2, React.js, Spring/Boot

**Databases:** GraphQL, Microsoft SQL, MongoDB, MySQL, PostgreSQL, SQLite

**Serverless:** AWS Lambda, API Gateway, Appsync, DynamoDB, Kubernetes, S3, Veeam

**Libraries/Tools:** DBeaver, DB Browser, Git, GitHub, jQuery, Jupyter Notebook, Postman, REST APIs, (Terraform)

**Project & Process Mgmt. Tools**: Autodesk, CompanyCam, Confluence, Jira, Microsoft Office/Project, Minitab, Trello, Smartsheet

**Certifications:** [Software Engineering - Coding Temple](https://www.credly.com/badges/1ca1ef4a-0cf5-427b-9c8e-b3dbc9818a5b/linked_in?t=ruor15) 04/2023, Project Management Professional ([PMP](https://www.credly.com/badges/10166a18-ba9b-48e7-acba-6b6856ed7ac2?source=linked_in_profile)) 05/2022, Certified Scrum Master ([CSM](https://drive.google.com/file/d/1htcSm7WPCCOlnQikZVVGcuE0QywEjbj5/view)) 06/2022, Lean Six Sigma Black Belt ([ICBB](https://drive.google.com/file/d/1_iAv9E3Ql6VxGFcDuH1PDHWftueCdJj1/view)) 06/2022, Certified US Army Instructor 01/2010

**PROJECTS**

***Freelance Projects:*** (Backend Development) [02/2019 - Current]

* Designed and developed serverless solutions using AWS services such as Lambda, API Gateway, DynamoDB, and S3
* Created RESTful APIs and integrated with various data sources
* Implemented security best practices for serverless architecture per AWS documentation
* Collaborated with stakeholders to translate business requirements into technical solutions
* Stayed up-to-date with the latest advancements in serverless technology and continuously improved the solutions

***Consulting*** (start-up solutions): Anchor Leg Consulting, eGrowcery (food delivery), various small businesses in Louisiana, Arkansas, and parts of Missouri.

* Introduced solutions for performance improvement, systems configuration management, and scaling.
* Created secure zones for organization in the AWS public cloud using route tables, gateways, and security groups.
* Employed frameworks such as Angular and React to develop user interfaces.

***Personal Projects:***

*Capstone Project [*[*Pantry Plus*](https://github.com/warmstrongsr/PantryPlus)*] Developed a web application (Pantry Plus) that enables recipe management by employing Flask for the backend and HTML, CSS, and JavaScript for the frontend.*

* Implemented user authentication system, allowing only signed-in users to access features beyond the homepage such as current menu search, find by ingredients, database search, and Recipe Roulette.
* Leveraged Spoonacular API to dynamically fetch and update data, improving application data accuracy and offering users real-time recipe updates to internal API.
* Automated the addition of new recipes to the SQLite database upon discovery, demonstrating the capacity to create scalable applications and expand user options through automation.
* Established a robust testing environment using Postman, a virtual environment, facilitating extensive application testing and efficient bug identification and applied pagination to handle large search results efficiently.
* Additional projects:
* Built a weather application enabling users to check weather conditions of any city by inputting the city's name.
* Created a user-centric shopping cart in Python offering a menu of items and providing options to add or remove items, view the current shopping cart, and see the total cost at checkout.
* Employed Python OOP principles to design a terminal-based blackjack card game featuring printed card designs.

**EMPLOYMENT HISTORY**

**Banker / Scrum Master | US Bank | Conway, AR 12/2021 – 05/2022**

Built sustainable relationships, drove sales growth, facilitated effective Scrum ceremonies, aligned business objectives, coached teammembers, resolved impediments, and implemented rewarding initiatives.

* Developed and nurtured strong relationships with key stakeholders, project team members, and clients, resulting in a pristine book of business and achieving a remarkable sales increase of over 15% per quarter.
* Facilitated Scrum ceremonies, including daily standup, sprint planning, sprint demo, and retrospective, ensuring effective and transparent communication among team members.
* Collaborated closely with the product owner to prioritize the backlog and align it with business objectives, ensuring the delivery of value-driven solutions.

**Freelance Developer/PM | Start-Up Consulting |Remote 09/2019 – 05/2022**

As a freelance developer for various start-ups, I leveraged my diverse technical skills to build, optimize, and secure scalable serverless solutions.

* Worked with multiple clients to understand their business needs and translated those into technical requirements.
* Designed and developed serverless applications utilizing AWS services.
* Created and maintained RESTful APIs, integrating them with various data sources for dynamic content delivery.
* Implemented security best practices per AWS documentation to ensure the safety and integrity of the data.
* Collaborated with front-end teams and other stakeholders to ensure seamless integration of backend solutions.
* Kept abreast with the latest advancements in serverless technologies and continuously sought to improve the solutions for enhanced performance and scalability.
* Provided maintenance and updates to the applications as required, ensuring they meet evolving business needs and remain current with technological advancements. Negotiated with insurance providers to ensure proper coverage and reimbursement for the restoration projects.

**Residential Restoration Contractor | Freelance |Conway, AR 09/2018 – 12/2021**

Managed 5-12 concurrent residential disaster restoration projects, coordinating construction teams, negotiating with insurance providers, and applying specialized skills in restoring century-old vintage applications such as artwork, Singer sewing machines, musical instruments, and furniture through upholstery replacement, wood and leather-working.

* Collaborated with contract teams while ensuring positive client interactions throughout the project lifecycle
* Assisted operations when necessary to guarantee timely completions within budget.
* Negotiated with insurance providers to ensure proper coverage and reimbursement for the restoration projects.

**Business Development Manager | Office Depot | Conway, AR** **01/2020 – 08/2020**

Arkansas representative responsible for enhancing Office Depot relationships in the state. (*Laid off due to COVID-19*)

**Federal Account Executive | Insight | Conway, AR** **04/2019 – 10/2019**

Spearheaded statewide business development initiatives for Office Depot in Arkansas, driving sales growth and expanding the company's footprint in the region.

* Successfully met and exceeded sales targets, contributing significantly to the company's revenue growth in the Arkansas region.

**Mid-West Region Sales Project Lead | Reynolds American Inc. | Conway, AR**  **12/2014 – 03/2019**

Managed and lead numerous cross-functional projects to enhance business practices and consumer engagement processes. Drove development of business improvement projects which established mutually beneficial relationships with business owners and the project team resulting in an increase of 6% (est. $1.2 million) share of market in 5 territories. Led the pivot tool adoption project which lasted over 2 years and was later added to the company intranet and is still in use.

* Negotiated contract implementation and renewal of over 120 clients of varying sizes and compositions.
* Mid-West Pivot tool adoption project lead 2016 - 2018

**MILITARY EXPERIENCE**

**Project Manager / Certified Instructor / Staff Sergeant (E-6) | US Army 01/2001 – 01/2013**

Trained and supervised military personnel in all construction operations and equipment usage/maintenance for assigned work projects. Devised network flow diagrams and planned, coordinated, and facilitated work activities of supporting units. Supervised all engineer construction equipment operations to include managing projects and safety analysis. Led 20+ operations throughout a 12-year military career. Trained Army personnel on horizontal engineering operations.

* Led and managed a team of 13-15 troops, successfully executing mission assignments.
* Instructed and mentored future leaders in the Warrior Leadership Course, facilitating professional development.
* Implemented numerous quality control plans to improve operational efficiency, accuracy, and safety.

**EDUCATION**

**MBA,** University of Phoenix (July 2014)

**BBA,** University of Louisiana Monroe (2009)

**Front end software engineer,** CodeUp (Full-time bootcamp student) **07/2022 – 10/2022**

* In person full-stack bootcamp. Partially completed, (VA funded).