**William Armstrong Sr.**

*Software Engineer*

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**PROFESSIONAL SUMMARY**

Experienced sales and marketing professional with a background in project management, implementations, and leadership, (civilian and military), currently transitioning to a technical role in software engineering. Possessing an MBA and certifications in project management, Scrum, and Lean Six Sigma, along with recent completion of a full-stack web development bootcamp. Adept at collaborating with cross-functional teams, driving process improvements, and delivering successful projects. Seeking a technical role that leverages both management expertise and technical skills to contribute to a dynamic software engineering team.

**TECHNICAL SKILLS**

**Languages:** CSS, HTML, JavaScript, Python, SQL

**Frameworks:** Bootstrap, Flask, Jinja 2, React

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

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

**Certifications:** Software Engineer - Coding Temple

**EXPERIENCE**

**Coding Temple / Software Engineer** **02/2023 - Current**

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.
* 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 during the course:

* 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 within the terminal.

**US Bank / Mortgage Banker/ Scrum Master** **12/2021 - 06/2022**

* Facilitated Scrum ceremonies (daily standup, sprint planning, sprint demo, retrospective) to ensure clear communication.
* Collaborated closely with the product owner to prioritize the backlog and ensure alignment with business objectives.
* Coached team members on Agile and Scrum principles with the aim of improving processes and maximizing productivity.
* Resolved impediments to team progress, ensuring efficient project advancement.
* Conducted weekly meetings with the eight branches within the territory, overseeing the performance matrix.
* Implemented a peer-to-peer rewards program encouraging teams to highlight outstanding performance.
* Nurtured solid relationships with key stakeholders, project team members, and clients while maintaining a pristine book of business and increasing sales by over 15% per quarter.

**MILITARY EXPERIENCE**

**US Army / Staff Sergeant / Instructor / Squad Leader 01/2001 -01/2013**

* Managed the duties and activities of 13-15 troops, developing plans to accomplish monthly mission assignments.
* Instructed Warrior Leadership Course for future leaders of the US Army and offered courses for individual and team professional development.
* 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.
* Created and instituted a quality control plan that enhanced operations in terms of efficiency, accuracy, or other measurable parameters.

**EDUCATION**

**MBA, University of Phoenix /** Business Management

**BBA, University of Louisiana at Monroe /** Risk Management and Insurance

**Other Active Certifications:** Project Management Professional (PMP), Certified Scrum Master (CSM), Lean Six Sigma Black Belt (ICBB)