

Alex Muñoz

SENIOR SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer with a proven record of delivering scalable, full-stack web applications, leading DevOps initiatives, and improving code quality in small, high-impact teams. Skilled at solving complex problems and leveraging AI to build robust, mission-critical systems.

PROFESSIONAL EXPERIENCE

Senior Software Engineer, Three Ships, LLC – Charlotte, NC (Remote) *Promotion, January 2024 – August 2025*

- Designed and implemented the user interface for an internal, real-time auctioning platform using **Phoenix (Elixir)**, enabling the transition away from a third-party service. This platform is expected to **reduce operating costs by 50%** and recover over **\$250K annually** in previously lost revenue due to outages.
- Built an internal alerting system using **Phoenix**, **Grafana**, and the **Slack API** that notified partner teams if the lead volume generated fell below expectations. This system mitigates a projected **\$110K annually** in lost revenue.

Software Engineer, Three Ships, LLC – Charlotte, NC (Remote) *February 2022 – December 2023*

- Developed a web product using **FastAPI (Python)** and **React (TypeScript)** that targeted homeowners in hyper-local communities to generate leads for home service providers. Within its first year of operation, this product generated over **\$2M in annual revenue**, and was adopted by high-profile sites including MarketWatch, Today's Homeowner, and USA Today.
- Took ownership of DevOps responsibilities, creating an entire CI/CD pipeline for the team using **Docker** and **GitHub Actions**. Managed infrastructure on **DigitalOcean** and **Google Cloud Platform**.

Accounting Analyst, The Fresh Market, Inc. – Greensboro, NC (Hybrid) *January 2018 – January 2022*

- Automated financial reporting processes using **SQL**, **VBA**, and **Python**, **saving 20+ hours per month** of manual processing.
- Created a custom Excel add-in using **VBA**, streamlining forecasting and budgeting tasks, resulting in a **60% faster** monthly close for financial reporting.

LEADERSHIP & COMMUNITY

Founder / Lead Organizer, Greensboro Devs – Greensboro, NC *June 2023 – Present*

- The largest software development community in central North Carolina, growing to over **375+ members**. Organize monthly meetups, facilitate networking, and promote continuous learning. Presented talks on functional programming, creating a basic CI/CD pipeline, and retrieval augmented generation.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Elixir, SQL | Exposure to C, C++, C#, Rust

Web & UI Frameworks: FastAPI, Django, Phoenix, Next.js, React, Astro, Tailwind CSS, DaisyUI

DevOps & Infrastructure: Git, Docker, GitHub Actions, GCP, DigitalOcean, Fly.io, CI/CD Pipelines

Data & Storage: PostgreSQL, MongoDB, Redis, SQLite

AI/Automation: LLMs, RAGs, Cloud GPUs, Agentic AI, OpenAI API

EDUCATION

Oregon State University – BS in Computer Science, summa cum laude *December 2021*

University of North Carolina at Greensboro – BS in Finance and International Business, cum laude *May 2017*