

Alexandria Neal

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<https://github.com/afneal>

SUMMARY

Analytical problem-solver with 4+ years of experience in protein and enzyme extraction, purification, and process improvement within a regulated laboratory environment. Previously held a DoD Secret clearance and worked in secure, compliance-driven settings. Currently completing an intensive software development program with a focus on Java, JavaScript, and React. Seeking a junior software developer role where a strong scientific mindset, attention to detail, and newly developed full-stack skills can be applied to building reliable, user-focused applications.

LANGUAGES | FRAMEWORKS | TOOLS

Java, JavaScript, HTML, CSS | React |Git

EXPERIENCE

Travel Mate — LaunchCode Capstone Project

- Designed and developed a web application that allows users to plan, save, and manage travel itineraries
- Implemented itinerary tracking to log trips and associated activities
- Built additional features for packing lists and travel reminders
- Integrated a currency exchange API to support international travel planning
- Full Project Tech Stack: JavaScript, React, HTML, CSS, exchange-api

Senior Associate Scientist — Millipore Sigma

May 2022 - August 2025

- Performed enzymatic and protein assays while maintaining strict documentation and quality standards
- Updated a minimum of eight Manufacturing Master Procedures (MMPs) annually
- Authored a new operational procedure adopted site-wide
- Managed product ordering, release, costing, and batch record research using SAP/SAP NEXT and ManGo
- Resolved real-time production issues to maintain a Right First Time rate above 90%
- Earned AA performance ratings for three consecutive years, reflecting strong ownership and reliability
- Consistently delivered projects on schedule, achieving up to 100% On-Time Delivery
- Trained and mentored new employees on AKTA automated chromatography system and Unicorn software

Associate Scientist — Millipore Sigma

March 2021 - May 2022

- Designed a process improvement plan to enhance safety and operational efficiency
- Submitted recurring safety observations, demonstrating proactive attention to system improvement
- Collaborated cross-functionally with multiple departments

Lab Technician 2 — Teledyne Brown Engineering

September 2020 - March 2021

- Conducted compliance-driven testing and analysis, adhering to strict regulatory and quality standards

- Operated and maintained complex analytical systems, demonstrating strong troubleshooting and system reliability skills
- Worked safely with high-risk materials by following documented procedures and safety protocols
- Authored clear, structured reports and data summaries using Microsoft Word and Excel
- Performed equipment servicing, and controlled startup/shutdown procedures
- Maintained security and data integrity standards while working under an active Secret clearance

Warehouse Employee — Amazon Fulfillment

June 2019 - August 2020, September 2017 - March 2018

- Adapted quickly to new processes through cross-training in multiple departments
- Executed high-volume, accuracy-critical tasks under strict time constraints
- Consistently achieved productivity rates of 75–350 units per hour while maintaining quality standards
- Maintained a 5S-compliant work environment, reinforcing organizational discipline and consistency

English Language Instructor — Interac Japan

March 2018 - March 2019

- Designed structured lesson plans and instructional materials for diverse student groups
- Communicated complex concepts clearly to audiences with varying proficiency levels
- Managed classrooms of 3–100 students while maintaining engagement and compliance with national standards

Heavy Equipment Operator — Scott Lynn Logging

February 2017 - July 2017

- Operated and coordinated heavy machinery in safety-critical environments
- Followed precise specifications and production targets under real-world constraints

Volunteer — US Forest Service

July 2016 - March 2017

- Contributed over 500 hours across environmental monitoring and data collection projects
- Collaborated with multidisciplinary teams in field-based research settings

EDUCATION

LaunchCode, Software Development, (Expected 2026)

University of Missouri

Introduction to Computing

Advanced Graduate Biochemistry, Advanced Biotechnology Laboratory II, Advanced Plant Biology and Biotechnology, Advanced Instrumental Analysis

University of Tennessee, Bachelor of Science in Biology, 2014