

Anthony Phan

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SUMMARY

Software Engineering student with hands on experience in technical and management roles. Proficient in Java and various frameworks and languages, with a strong understanding of software development and teamwork. Demonstrated ability to enhance sales and operational efficiency through strategic planning and technical training. Focused on frontend development, applying coding and leadership skills to real-world projects.

EXPERIENCE

MidAmerican Energy Company

Urbandale, IA

Telecommunications Engineering Intern

May 2025 - Present

- Mapped and planned fiber optic routes to connect substations and remote sites across the state of Iowa using Microsoft Visio
- Configured 300+ routers, switches, and firewalls, supporting secure and reliable network infrastructure across regional substations
- Prepared detailed technical documentation for telecom inspections, site installations and upgrade planning
- Managed and reviewed documentation across departments for an inventory system tracking telecom and IT equipment for field installations
- Designed documentation on statewide Rural Broadband and Advanced Metering Infrastructure project to expand connectivity and support smart grid integration

Menards

Omaha, NE

Management Intern

May 2024 – August 2024

- Gathered data and reports alongside the general management team, department managers, and store team members to develop more insight into company operations and strategies
- Increased department sales by 8% by identifying needs and providing tailored product recommendations through verbal interactions
- Designed succession planning strategies with senior management by evaluating sales reports, employee interactions, and mentoring new employees

EDUCATION

Iowa State University

Ames, IA

Bachelor of Science, Software Engineering

Aug 2021 – May 2026

- Object Oriented Programming, Data Structures and Algorithms, Software Development, Advanced Programming

SKILLS AND CERTIFICATIONS

Programming Languages: Java, JavaScript, C, HTML, CSS, Python, Kotlin, TypeScript, Terraform

Frameworks / Automation Tools: React, NodeJS, NextJS, Springboot, Git, Android Studio, Microsoft Office

Certifications: AWS Cloud Practitioner

PROJECTS

Zentry (Productivity Web Application)

- Developing a full-stack productivity web application with dual login options, via Auth0, GitHub, and Spotify
- Built the frontend using Vite, React, and ThreeJS to deliver a responsive and interactive UI
- Implemented a Flask backend API to manage authentication, sessions, and business logic
- Integrated external APIs to fetch real time user data and enhance app functionality
- Deployed using Docker containers and integrated cloud services using Amazon RDS

Personal Portfolio

- Personal creation of my portfolio, to display my projects and experiences
- Built with Vite and React, with modern design principles and animations through Framer Motion
- Website is deployed through AWS Amplify using a custom domain created through AWS Route 53

Blue Sky Bank (Service Web Application)

- Built with NextJS as a SaaS platform for users looking to manage their finances
- Easy administrative management with Appwrite
- Integrated Plaid API, allowing users to connect real bank companies securely with Dwolla

