

Anthony Phan

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SUMMARY

Software Engineering student with hands-on experience building full-stack applications, designing cloud-backend systems, and supporting industry-scaled infrastructure. Strong foundation in algorithms, backend development, and modern web frameworks. Ability to deliver functional software, optimize operations, and work across cross-functional engineering teams. Seeking roles in backend, full-stack, or cloud engineering.

EXPERIENCE

MidAmerican Energy Company Telecommunications Engineering Intern	Urbandale, IA May 2025 - Present
<ul style="list-style-type: none">Designed statewide fiber-optic route plans for substation connectivity using Visio, improving long-term network reliabilityConfigured 300+ network devices supporting secure enterprise network operations across regional sitesSupported development of inventory system tracking telecom/IT equipment for field techniciansBuilt a full Oracle APEX dashboard application using HTML, JavaScript, and SQL to pull and transform dataDesigned documentation on statewide Rural Broadband and Advanced Metering Infrastructure project to expand connectivity and support smart grid integration	
Menards Management Intern	Omaha, NE May 2024 – August 2024
<ul style="list-style-type: none">Gathered data and reports alongside the general management team, department managers, and store team members to develop more insight into company operations and strategiesIncreased department sales by 8% by identifying needs and providing tailored product recommendations through verbal interactionsDesigned succession planning strategies with senior management by evaluating sales reports, employee interactions, and mentoring new employees	

EDUCATION

Iowa State University Bachelor of Science, Software Engineering	Ames, IA Aug 2021 – May 2026
<ul style="list-style-type: none">Object Oriented Programming, Data Structures and Algorithms, Software Development, Advanced Programming	

SKILLS AND CERTIFICATIONS

Programming Languages: Java, JavaScript, TypeScript, C#, HTML, CSS, Python
Frameworks / Automation Tools: React, NodeJS, NextJS, ASP.NET, Spring Boot, Flask, MySQL, SQL, Git, Docker, AWS
Concepts: OOP, REST APIs, CI/CD, Databased, Cloud Architecture, Agile
Certifications: AWS Cloud Practitioner

PROJECTS

Culinary Command (Service Web Application)

- Full-stack restaurant management web application using ASP.NET Core 9.0, Blazor Server, and MySQL
- Implemented role-based authentication system with user profiles, security settings, and multi-task assignment workflows
- Created dynamic task tracking system with real-time status updates and state management
- Implemented CI/CD pipelines in GitLab for automated testing, building, and deployment of the web application
- Tracked project requirements, user stories, and sprint planning using Jira for agile development methodology

Kora Kora (Productivity Web Application)

- Developing a full-stack productivity web application helping students focus through time tracking and achievements
- 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