

# 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

<b>MidAmerican Energy Company</b> Telecommunications Engineering Intern	<b>Urbandale, IA</b> May 2025 - Present
• Designed statewide fiber-optic route plans for substation connectivity using Visio, improving long-term network reliability	
• Configured 300+ network devices supporting secure enterprise network operations across regional sites	
• Supported development of inventory system tracking telecom/IT equipment for field technicians	
• Built a full Oracle APEX dashboard application using HTML, JavaScript, and SQL to pull and transform data	
• Designed documentation on statewide Rural Broadband and Advanced Metering Infrastructure project to expand connectivity and support smart grid integration	
<b>Menards</b> Management Intern	<b>Omaha, NE</b> 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

<b>Iowa State University</b> Bachelor of Science, Software Engineering	<b>Ames, IA</b> Aug 2021 – May 2026
• 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, Databases, 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