Full-Stack Software Engineer with 6+ years of experience delivering scalable, user-centric web applications in startup and enterprise settings. Skilled in building dynamic, accessible UIs with React, Vue, TypeScript, and modern component libraries. On the backend, experienced in designing RESTful APIs, managing data flows with event-driven architectures (SNS/SQS), and implementing scalable storage solutions with AWS services like DynamoDB, S3, and Lambda. Recently completed the Generative AI Specialization at Purdue University, expanding my expertise in building practical AI-powered applications and agentic workflows.

Links

Portfolio   Github   LinkedIn

Employment history

Software Development Engineer, AWS, May 2024 - Mar 2025

Seattle, WA

- Implemented end-to-end feature using DynamoDB transactions in Catalog Authoring Service to eliminate stale data and ensure atomic updates across multiple records.
- Automated stack policy updates using AWS CDK (TypeScript), reducing deployment time from 2 days to 15 minutes and significantly improving operational efficiency.
- Maintained and enhanced catalog/document storage in AWS Marketplace by using DynamoDB for metadata, S3 for storage, and SNS/SQS to sync changes to Elasticsearch, improving scalability and search performance.
- Modified Notification Service to support deployment in AWS GovCloud by adapting CDK stacks and LPT code to replace unsupported services.
- Configured custom MAIL FROM domain and aligned SPF/DKIM records in SES to ensure email deliverability and compliance with domain authentication standards.

Software Engineer, Linqia, Sep 2021 - Mar 2024

San Francisco, CA

- Owned and optimized the discovery search feature, reducing latency by 60% via frontend and backend improvements using React, Node.js, and TypeScript.
- Implemented infinite scroll for influencer discovery, improving performance and usability across large datasets.
- Led the migration of analytics dashboards from D3.js to Chart.js, collaborating with stakeholders to deliver scoped visual insights.
- Built the content sharing feature with pagination, multi-select, and API integration, working closely with backend and design teams to deliver a seamless client experience.

Software Developer, Egen Solution, Mar 2019 - Sep 2021

Chicago, IL

- Developed Cart, Checkout, Auto-reorder, and Order Confirmation workflows using React and Redux.
- Built login and guest checkout flows to streamline the user journey.
- Conducted cross-browser testing using Sauce Labs to ensure performance consistency across Chrome, Firefox, Safari, IE, and Edge.
- Created mobile features in React Native to display patient test results and history timelines.
- Implemented PDF receipt generation for both web and mobile platforms to enhance order traceability.
- Led UI development of a live security camera streaming dashboard using HLS.js, integrating camera control and real-time feedback from clients via weekly collaboration.

Education

Purdue University, May 2025 - Aug 2025

Applied Generative AI Specialization

Topics: LLMs, RAG, LangChain, Agentic AI, Prompt Engineering, Generative AI Governance, Azure AI Studio

Education

Texas A&M University - Kingsville, Aug 2016 - May 2018
GPA: 3.9

Master of Science - Computer Science

Projects (Purdue AI Capstone)

InsightForge: AI Business Intelligence Q&A

https://github.com/anmol091192/InsightForge-AI-Business-Intelligence-Q-A

InsightForge is an intelligent business intelligence application that allows users to upload their data (CSV or PDF) and ask natural language questions to get insights powered by AI. The application combines retrieval-augmented generation (RAG) with AI agents to provide accurate, context-aware answers about your business data.

NewsGenie: AI News & Web Search Assistant

https://github.com/anmol091192/NewsGenie-AI-News-Search-Assistant

NewsGenie is an AI Streamlit app that lets users chat with an assistant to get news by category or search the web for answers. It uses Google Gemini, GNews API, and Serper for fast, reliable info, plus agentic workflows and strong error handling.

Skills

React	Vue	ElasticSearch	DynamoDB
S3	SNS	SQS	EventBridge
Amazon SES	AWS CDK	TypeScript	JavaScript
Storybook	D3.js	Chart.js	Node.js
Next.js	Python	PostgreSQL	MySQL
MongoDB	Jest	Mocha	DataDog
Fullstory	Docker	Prompt Engineering	RAG
LLM Fine-tuning	LangChain	LangGraph	Agentic AI