

Andy Nguyen

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- Experience**
- Solutions Engineer (Solutions Architect) (Stretch Assignment):** Liberty Mutual Present
Delivered one of Liberty Mutual's Gen AI's pilots into production, aligned with North Star Architecture. Setting the strategy and direction for future GenAI and Agents.
Created the roadmap for teams several PI's in advance to ensure a successful financial year. Planned and got ADRs approved to achieve technology and business alignment.
75% Solutions Engineer (Solutions Architect) and 25% Principal SE responsibilities.
 - Principal Software Engineer:** Liberty Mutual 2023 - 2025
Led and successfully delivered 3 high-priority projects concurrently during the last quarter of 2024. Obtaining 2-3 digits multi millions dollars of value per project, and obtained a 100% satisfaction score for its hundred of users. Used Salesforce and AWS.
Maintained automations that save over 423 hours manual hours a year. Removed tech debt, helping the company save 5 million dollars a year.
In 2023, over 122 thousand submissions were "digitized", resulting in improved handling time of 33% to auto identify and act on 8% unprofitable business.
 - Senior Software Engineer:** Liberty Mutual 2021 - 2022
Delivered first to market APIs in production with the company's top Broker partner.
 - Software Engineer:** Liberty Mutual 2019 - 2021
Created and deployed to production AWS serverless infrastructure to do intelligent data extraction and duplicate detection on tens of thousands of documents per day, saving thousands of work hours per year.
Presented to over 600 viewers at CDK Day, an AWS Organized Event. Won the "Technical Excellence" Award at Liberty Mutual's largest internal hackathon.
 - TechStart (Internships and Associate):** Liberty Mutual 2016 - 2019
Developed an event driven ecosystem for automatic OCR on stored images. Built with AWS Lambda, SNS, and S3. Spring Boot, Docker on AWS ECS Fargate for vendor product.
Created tools for Ironshore acquisition. Used React, Node, Microsoft APIs, and Denodo.
- Projects**
- Agentic Engineering** Present
Using tools like "Github Copilot Coding Agent" with models from OpenAI (Codex) and Anthropic (Claude) to deliver E2E personal projects.
 - Reusable AI Software and Patterns** 2023 - 2025
Used AI assistants like ChatGPT to create working software, and documented a reusable process called EDD to show how to create software products using AI.
 - Unit Test Framework, Simple Programming Paradigm, and Open Source** 2019 - 2022
Tool suite used to make logic easier to maintain across projects, used by coworkers in production.
 - MadHacks Organizer and Engineer Team Lead** 2015 - 2018
Raised \$50,000. Organized two ~300 participant, and three ~100 participant events.
 - Video game Server Owner** 2012 - 2013
Used PayPal API for payments. Made reusable plugins, leading to 20,000 downloads.
- Skills**
- Languages:** Java (Spring), JavaScript and TypeScript (React + Node.JS), Python
 - Databases:** DynamoDB, MySQL, H2, PostgreSQL
 - Testing:** BDD using Cucumber with Enzyme, TDD using JUnit with Mockito, Jest
 - Technologies:** MCP, Github Coding Agent, AWS, OpenAPI, OAuth2, Lucidchart, Salesforce
 - DevOps:** Git, Docker, Maven, Flyway, Cloud Foundry, Atlassian (Bamboo, Jira, etc.)
 - Software Engineering:** Agile, Scrum, Well-Architected, Threat Modeling
- Education**
- B.S. Computer Science | Cert/Minor, Mathematics |** University of Wisconsin, 2018