

Andy Nguyen

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Experience	Senior Software Engineer (Remote / Milwaukee, WI): Liberty Mutual 2021 - 2022 Tech Lead of Liberty Mutual's External Broker API. Worked with teams across companies to design innovative and useful features for users, using Lucidchart and Jira. Mentored senior and junior developers on API First tooling using OpenAPI (Swagger), and ensuring teams deliver on a consistent basis by using Agile practices.
	Software Engineer (Remote / Milwaukee, WI): 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, allowing users to save thousands of work hours per year. Built multi-region active-active systems at a global scale, enabling disaster recovery and high availability. Presented to over 600 viewers at CDK Day, an AWS Organized Event. Gave a tech talk on migrating from AWS CloudFormation to AWS CDK in production. Won the "Technical Excellence" Award at Liberty Mutual's largest internal hackathon.
	TechStart Technology Associate (Indianapolis, IN): Liberty Mutual 2018 - 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. Coded tools for underwriters for Ironshore acquisition. Stepped in to tackle application design, and out to make an effective team environment, providing guidance as needed. Resulted in agile solution delivery. Used React, Node, Microsoft Graph API, and Denodo.
	TechStart Intern (Dover, NH): Liberty Mutual 2017 Implemented microservices to track cloud usage and cost across organizations. Developed with Spring, MySQL, Cloud Foundry, New Relic, and AWS.
	TDP Intern (Wausau, WI): Liberty Mutual 2016 Designed a platform for employees to ideate on hackathon projects. Used Angular.
Projects	Unit Test Framework and Simple Programming Paradigm 2021 - 2022 Solved common issues with unit tests by creating a new framework. Created a programming paradigm to make both business logic and tests easier to read and write.
	Open Source: 2019 - 2022 Published several Java libraries on Maven Central, used by coworkers in production. Made example templates with Python, JavaScript, Docker, and Cucumber.
	MadHacks Organizer and Engineer Team Lead: 2015 - 2018 Sponsored by Capital One, Liberty Mutual, Microsoft, Google, and others to raise over \$50,000. Organized two ~300 participant, and three ~100 participant, hackathons.
	Internet of Things, Automatic Home Watering Solution: 2016 Worked with Fiskars to create a portable smart watering device for home owners.
	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: MongoDB, DynamoDB, MySQL, PostgreSQL Testing: BDD using Cucumber with Enzyme, TDD using JUnit with Mockito, Jest Technologies: AWS, OpenAPI (Swagger), Hololens 2, OAuth2, OIDC, Lucidchart DevOps: Git, Docker, Maven, Flyway, Cloud Foundry, Atlassian (Bamboo, Jira, etc.) Software Engineering: Agile, Scrum, Threat Modeling
Education	Bachelor of Science, Computer Science: University of Wisconsin Graduated 2018 Certificate/Minor, Mathematics: University of Wisconsin