

# Andy Nguyen

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Experience	<p><b>Principal Software Engineer (Remote):</b> Liberty Mutual <span style="float: right;">Present</span> Leader of multiple development teams that create and maintain the products for all Broker business. Combination of Salesforce and AWS cloud to deliver on global solutions, where both multi-million dollar sales and smaller sales are made.</p> <p><b>Senior Software Engineer (Remote):</b> Liberty Mutual <span style="float: right;">2021 - 2022</span> Tech Lead of Liberty Mutual's External Broker API. Delivered first to market APIs integrated in production with the company's top Broker partner. 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 using OpenAPI (Swagger), and ensured teams deliver consistently using agile practices.</p> <p><b>Software Engineer (Remote):</b> Liberty Mutual <span style="float: right;">2019 - 2021</span> 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.</p> <p><b>TechStart Technology Associate (Indianapolis, IN):</b> Liberty Mutual <span style="float: right;">2018 - 2019</span> 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.</p> <p><b>TDP Internship (Dover, NH):</b> Liberty Mutual <span style="float: right;">2016, 2017</span> Designed a platform for employees to ideate on hackathon projects.</p>
Projects	<p><b>Unit Test Framework and Simple Programming Paradigm</b> <span style="float: right;">2021 - 2022</span> Created a programming paradigm and framework to make both business logic and tests easier to maintain across projects and programming languages.</p> <p><b>Open Source</b> <span style="float: right;">2019 - 2022</span> Published several Java and TypeScript libraries, used by coworkers in production. Made example templates with Python, JavaScript, Docker, and Cucumber.</p> <p><b>MadHacks Organizer and Engineer Team Lead</b> <span style="float: right;">2015 - 2018</span> Sponsored by Capital One, Liberty Mutual, Microsoft, Google, and others raising over \$50,000. Organized two ~300 participant, and three ~100 participant, hackathons.</p> <p><b>Video game Server Owner</b> <span style="float: right;">2012 - 2013</span> Used PayPal API for payments. Made reusable plugins, leading to 20,000 downloads.</p>
Skills	<p><b>Languages:</b> Java (Spring), JavaScript and TypeScript (React + Node.JS), Python <b>Databases:</b> DynamoDB, MySQL, PostgreSQL <b>Testing:</b> BDD using Cucumber with Enzyme, TDD using JUnit with Mockito, Jest <b>Technologies:</b> AWS, OpenAPI (Swagger), Hololens 2, OAuth2, OIDC, Lucidchart, Salesforce <b>DevOps:</b> Git, Docker, Maven, Flyway, Cloud Foundry, Atlassian (Bamboo, Jira, etc.) <b>Software Engineering:</b> Agile, Scrum, Threat Modeling</p>
Education	<p><b>Bachelor of Science, Computer Science:</b> University of Wisconsin   Graduated 2018 <b>Certificate/Minor, Mathematics:</b> University of Wisconsin</p>