Andy Nguyen andyln.com - anguyen29@wisc.edu

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, from architects to senior management, to plan innovative and useful features for users, while also aligning with key strategies for all companies involved.

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 integration. 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

Open Source: 2019 - 2022
Published several Java libraries on Maven Central, used by coworkers. Made example projects, such as full stack projects with Python and JavaScript, Docker, and Cucumber. Created app to make mock CSV data using Faker API with custom hook, and more.

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
Collaborated with a team of five and Fiskars to prototype a portable smart watering device for home owners using a Raspberry Pi. Demoed at IOT expo.

Video game Server Owner: 2012 - 2013
Maintained a 24/7 server for 50-100 active users. Used PayPal Developer API and PHP to create payment service. Programmed plugins in Java and Bukkit API, resulted in over 20,000 downloads and Curse, Inc. interview.

Skills

Languages: Java (Spring), JavaScript and TypeScript (React + Node.JS), C#, Python, C
Databases: MongoDB, DynamoDB, MySQL, PostgreSQL
Testing: BDD using Cucumber with Enzyme, TDD using JUnit with Mockito, Jest
Technologies: AWS, OpenAPI and Swagger, Hololens 2, OAuth2 and OIDC, Serverless
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