

# VINH NGUYEN

## Software Engineer

Vnguyen.cheme@gmail.com

321-301-2512

<https://www.linkedin.com/in/vinh3928/>

## EXPERIENCE

### Software Engineer

Asurion, Nashville, TN

2020-present

- Lead production releases using Jenkins, Spinnaker, AWS that delivers business value and confidence.
- Fraud Technologies for AWS Serverless pipelines and Node/Typescript/React adjudication application.
- Process improvements; Git branching, QA testing, automation, deployment, and communication strategies.
- Working with code 70% of the time; delivering solutions for new Retail application to be delivered in 2022.
- Help MVP launch of claims Adjudication Application 2.0 to migrate old stack to Node/React and Typescript.
- Create system diagrams and business flow charts of evolving application and training materials.
- Lead Test Plan Implementation for AWS migration (pipelines and ML) that resulted in no down time.
- Optimize pipeline for better aggregation to reduce compute time of lambda operations by caching strategy.
- Mentor junior developer for growth of knowledge and share to team of demos and new learnings.

### Software Engineer

DHI Group (Dice.com), Centennial, CO

2018-2020

- Started Fraud Technology team by developing Fraud infrastructure to detect bad actors in job board portal.
- Integrated with 3<sup>rd</sup> party machine learning APIs to deliver business value within 6months of start.
- Used and created AWS Cloud stack: Dynamo DB, SNS, SQS, Lambda, Code Pipeline, X-ray, and Redis
- Lead Google Indexing integration on Dice resulting in increased traffic by 20% of entire Dice website.
- Created and maintain all runbooks for AWS serverless for Fraud Domain for documentation.
- Developed serverless Cloud Formation templates as infrastructure to align with org cloud strategy.

### Lead Backend Developer (contract)

ULA through Synchroness, Centennial, CO

2018

- Lead Java development of services in spring-boot hibernate JPA for airplane parts data to new application.
- Supported Angular front end UI by working with data on pagination, charts, tables, and CRUD.
- Maintained over 90% test coverage using Junit and Mockito on all backend Services; analysis by Sonar Cube
- Worked with DBA on design documentation for business requirements of Front End as well as from client.

### Full Stack Developer

Adcellerant, Denver, CO

2017- 2018

- Contributed bug fixes, greenfield development, and planning by planning, elab, stand up, retro
- Built out 3<sup>rd</sup> party API integrations in AdTech that served up data to consumer tracking Ad campaigns.
- Prototyped new UI frontend in React/Redux for V2 platform to demo to stakeholders.

### Front End Developer

Ombud, Denver, CO

2016- 2017

- Developed and maintained frontend React application with features include: document file system, D3 charts, Aspose document conversions, Chrome Plugin integration.
- Worked with UI/UX and Product to create user centric UIs to prototype rapidly and deliver to end user.
- Assisted in creating services with APIs that help ensure data in Elastic Search can be accessed optimally.

## Java Intern

2015

HomeAdvisor, Denver, CO

- Built full stack internal tools for data creation for testing scenarios in jobs domain
- Worked on bugfixes in Spring Boot Java monolith application

## LASER Application Engineer

2013-2014

Control Micro Systems, Orlando, FL

- Optimized work flow for system alignment through developing a program that aligns LASER systems.
- Created vector drawings for LASER marking of metals, plastics, organics, and wood.
- Developed over 40 LASER optic systems in research and development lifecycle for processing materials
- Documented reports on process parameter and make recommendations for refinement of laser process

## Research Assistant

2011-2013

Microbiology UF Lab, Gainesville, FL

- Invented a patented technology utilizing surface science in liquid/gas phase to improve microinjection.
- Developed two experimental methods for testing liquid film longevity to optimize surfactant systems.
- Analyzed 23 formulations by testing fluid rheology and stability of thin films in controlled experiments.
- Aided training a group of undergraduates on lab safety protocols and technical procedures.
- Guided projects objectives and deadlines by leading weekly group meetings and PowerPoint presentations.

# PROJECTS

## Evolving Website

**Build:** JavaScript, HTML5, CSS3, MongoDB, Node JS, Express

**About:** Using a genetic algorithm, this website learns how to style itself via data collected from visiting users.

## Machine Learning Handwritten Notes

**Topics:** logistic regression, neural networks, vision

**About:** Using Octave to analyze a data set of 10,000 hand-written letters using NN.

# EDUCATION

## M.S. Artificial Intelligence

Johns Hopkins University: not completed 2021

Intro Machine Learning Python 2021, Probability and Statistics 2021

## gSchool (Full-Stack Web Developer)

Galvanize: April 2015 – October 2015

This six month immersive program designed to equip developers with knowledge in client side design, server side builds, data modeling, MVC frameworks, UI design, test driven development, agile workflow, and debugging.

Technologies used includes:

JavaScript (Express.JS, Node.JS, Angular.JS), Ruby on Rails, HTML5, CSS3, Application security, Test automation, (Jasmine, Selenium), UNIX, Database (PostgreSQL, MongoDB), Git source control, REST API Development

## B.S. in Chemical Engineering

University of Florida: 2010 – 2013

I was an active student leader involved in the American Institute of Chemical Engineers (AIChE) chapter holding positions of Treasurer, Event Coordinator, and Student Correspondent. I Also ran weekly tutoring sessions for thermodynamics to junior chemical engineer students.

# HOBBIES

**Hiking** – all over US ( California, YellowStone, Zion, Rockies, Appalachians )

**Traveling** – around Americas and Asia ( Vietnam, Thailand, Singapore, Bahamas, Mexico, USA mainland )

**Food** – enjoy trying anything once ( adventurous palliate )

**Sports** – doing ( football, soccer, track, Brazilian jujitsu) watching (same + Esports )