

THANH 'BIN' PHAM

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- Interested in both engineering and technical management opportunities. Willing to relocate.
- Organized and results-oriented** engineer who understands the importance of cross-functionality in a professional environment with a passion for rapid prototyping including, but not limited to, web development, embedded software, QA testing, and hardware/software integration.

Education

Rochester Institute of Technology
B.S Computer Engineer 2018
Dean's List 2015-2018

Skills

PROGRAMMING	TOOLS
PHP	AWS
Java(Kotlin)	Docker
Postgres	Jenkins
MySQL	Visual Studio
JavaScript (Angular/React)	IntelliJ
Python	
C#	
Selenium	
MeteorJS	
MATLAB	
C	

Volunteering

Toys For Tots Sept. 2016 to Dec. 2016
Website Designer
Rochester, NY
Designed a Toys For Tots charity event website with payment system where donors could bid on marines for the night. The proceeds go directly to the Toys For Tots Foundation. Over \$5,000 worth of toys were donated.

Awards

Neural Networks and Deep Learning Jan. 2018
deeplearning.ai on Coursera

Employment

Stealth Startup

Full Stack Software Architect

Austin, TX
May 2020 to Current

SaaS for Healthcare

- React/Native (Frontend), Postgres (AWS RDS), Express, NodeJS, Kotlin (Backend), Docker/Heroku (Deployment)
- Design and develop iOS and Android apps; Implement backend infrastructure and microservices.
- Lead product road map while managing a team of developers.

Favor Delivery

Software Engineer

Austin, TX
Dec. 2019 to Current

- Standardized backend push notification system using Abstract Factory pattern for new and existing event types to communicate with mobile apps.
- Created microservices leveraging Kafka for real-time market-balancing of drivers and customers.
- Helped convert legacy Scala application to Kotlin-based Micronaut backend.
- Reduced 95% of bootstrap API call latency from 40.38s to 4.58s at peak load by improving queries and load testing processes using k6 framework.

Ambit Energy

Software Developer

Dallas, TX
Jan. 2019 to Nov. 2019

- Maintained and upgraded legacy apps ranging from .NET Framework 4.5.x to .NET Core 2.2.
- Developed features and API endpoints to stabilize the payment and billing systems.
- Introduced testing process suites using Moq and In-Memory DB.
- Re-architected data models to optimize processing speeds and improve code readability.

iCardiac Technologies, Inc

Quality Assurance Automation Engineer

Rochester, NY
June 2016 to Jan. 2017

- Developed and verified manual tests while adhering to Part 11 Compliance (medical regulations).
- Automated unit testing for the continuous integration process by integrating SpiraTeam.
- Documented current and future product line guides to streamline the onboarding of future hires.

Associate Software Developer

Rochester, NY
Jan. 2017 to Aug. 2017

- Collaborated with a team of remote developers to refactor a hard-coded proprietary medical Java platform serving over 30 global clinical trial sites.
- Researched and evaluated alternative medical devices and their software compatibilities to integrate with proprietary medical software.

T&L Automatics

Software Developer

Rochester, NY
Apr. 2018 to Aug. 2018, Aug. 2015 to Jan. 2016

- Used MVC architecture with Angular 6 (Frontend). RESTful API with Express, Node, and MongoDB (Backend).
- Deployed web application using Node-based EC2 with the database hosted on Atlas.
- Led efforts to become ISO 9001 certified.
- Tracked QA issues and provided automated feedback and resolution.
- Gathered stakeholder requirements and assisted IT with daily reporting of machine data.

Projects

Machine Learning - Sleep Analysis

Aug. 2017 to Current

Four-month **MATLAB** and **Python**-based project in classifying and predicting sleep quality and wake-up moods using four methods (Linear Regression, Logistic Regression, Support Vector Machine, and Perceptron Neural Network) on a personal sleep dataset from the Sleep Cycle iOS App.

React - Reduxstagram

Sept. 2018 to Nov. 2018

On-going React-based project in web development of a copy-cat Instagram utilizing React and Redux as the primary front-end technologies.

React - Jammimg

Aug. 2018 to Oct. 2018

Two-month React-based project in web development of a music application that utilized Spotify's authentication process and API. Users were able to search for songs and create and save playlists to access on any authorized device.

Eager Academy

June 2016 to Dec. 2016

Worked with a team of developers to revolutionize the way education is viewed through active learning via positive reinforcement of incentives.
Developed PoC web app in MeteorJS and MongoDB to demo to potential investors.
Created software development roadmap and handled incentive redemption logistics.