

Nathan Wang

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GitHub: github.com/NathanWang2

TECHNICAL SKILLS

Proficient: Python, Java, Flask, JavaScript, Docker/Kubernetes, RESTful APIs, MySQL, MongoDB, HTML5, CSS3, C++, Linux, Git, Agile Development

Exposure: VueJS, ReactJS, Node.js, Unit Testing, C#, Android, SQLite

WORK EXPERIENCE

AT&T | Software Engineer | Dallas, TX

Jan. 2018 - Present

- Developed Microservices in Java for an internal project which assists data analysts in making quicker and smarter decisions which decreased research time by 8+ months per project proposal
- Point of contact for AT&T Docker and Kubernetes deployment process for 2 projects
- Launched over 5 different Microservices through AT&T's Docker and Kubernetes workflow
- Created a solution in Python to run Docker containers locally which decreased testing time from 20 minutes to 2 minutes per test thus saving over \$34,000
- Collaborated with a team of 4 to create a Java application that optimized ~20,000 routes for AT&T Technicians
- Helped implement logic for daily schedule viewing in backend for AT&T technicians and created 5 tests for code maintainability
- Awarded Mentor of Q2 and President of Social Committee with 9 board members and 3 Assistance Directors

Tautologic | Software Engineer, Contract | Austin, TX

Aug. - Sep. 2017

- Developed corporate event planning web utility containing 20+ fields with JavaScript and ReactJS, replacing pre-existing third party library for team of 5 event planners organizing over 7 events per week.
- Architected RESTful API following test-driven development to receive and reformat data to send to pre-existing API using Python, Flask, and pytest; prepared to handle over 100 forms.
- Crafted reactive form UI for planners to input events utilizing JavaScript, ReactJS, HTML5, and CSS3.

Southern Nuclear Company | Cyber Security Engineer, Co-op | Waynesboro, GA

Jan. - May 2016 + May - Aug. 2015

- Cross-referenced cyber security plan with regulation 5.71 and NEI 08-09 to ensure appropriate regulation were followed and accounted within our security procedure, which reduced inconsistent anomaly by 10%.
- Assisted in procedure change within cyber security field of study by making ~10 change requests to 3 separate documents to ensure information and expectations are met.

EDUCATION

B.S. Electrical Engineering (GPA: 3.3), Mississippi State University

May 2017

PROJECT EXPERIENCE

Stock Alert | Software Engineer

July 2019 – Present

Technical analysis tool for stocks that notifies users when trading indicators are met

- Requests data from Alpha Vantage, using their API, 300 times daily to notify users through email to buy or sell stock using Python, Pandas, and smtplib

Restaurant Roulette | Software Engineer | [live](#) | [code](#)

May - Aug. 2017

Restaurant randomization tool for hungry, but indecisive individuals to find a place to eat based on specified location.

- Created responsive front end views using JavaScript, ReactJS, and CSS3 with Google Maps and Places API integration to display eatery data across 5+ major browsers and devices.
- Asynchronously called Google API to gather and parse 100+ restaurant records with Python and Flask server.

Comfort Control | Android Software Engineer | [code](#)

Aug. 2016 - May 2017

Smart thermostat and ventilation system with multiple room temperature feature controls.

- Engineered tool using Xamarin Studio to send and receive temperature information and control temperature and ventilation systems using majority rule logic, designed for user in large corporate buildings of 300+ rooms.