

Nathan Patnam

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EDUCATION

Georgia Institute of Technology, Masters in Computer Science

Expected Graduation: Fall 2022

- Specializing in Computing Systems. Taking classes part-time while working full-time at Salesforce.

Wofford College, B.A. Computer Science

GPA 3.73/4.0

Graduated December 2019

SKILLS

Front-End: React · React Native · JavaScript · TypeScript · HTML · CSS · SASS · Apex

Back-End: Python · Java · Spring · Node.js · MySQL · AWS · Firebase · GraphQL · RabbitMQ · MongoDB

CI/CD: Git · GitHub Actions · Heroku · Circle CI · Jenkins · Splunk · Sumo Logic

Testing: JUnit · Jest · Enzyme · Mocha · Chai · SuperTest · Frisby · Jasmine · Codecov

WORK EXPERIENCE

Full-Stack Associate Software Engineer, Salesforce

February 2020 - Current

- Working on the CPQ package where I'm building REST APIs using Java, SOQL, & Spring to help sales reps amend or renew contracts.
- Currently implementing a Message Queues to increase scalability and meet SLAs of our asynchronous API.
- Mentored 1 intern in building a chatbot using NLP to allow sales people to quickly create assets, subscriptions, and other products.
- Wrote numerous back-end & front-end tests to improve team's total code coverage by at least 10% in three different code bases. Reduced team's average number of regressions per quarter by 30%, saving around \$50,000 per year in engineering time.

Full-Stack Software Engineer Intern, Heroku

May 2019 - August 2019

- Built a web-service to automate the time-consuming process of triaging issues across Heroku's 3400+ private and open-source GitHub repositories into Salesforce's internal ticketing system for development (GUS).
- Web-service is expected to save at least 10 minutes per manager per day (estimated savings \$5,000 monthly).
- Used Ember.js, GraphQL, Purple3 (a CSS framework), Heroku, Circle CI, Git, Mirage, and QUnit.

Full-Stack Mobile Software Engineer Intern, Honda

August 2018 - December 2018

- Designed and built 4 mobile apps to prototype smart-car experiences that would improve driver safety or save time. Experiences included being able to have your car start remotely when you have a calendar event at another location happening soon.
- Tech Stack: React Native, AWS Lambda, Python, Git, Jenkins, Firebase's Realtime DB.

Software Engineer Intern, Microsoft

May 2018 - August 2018

- Queried and analyzed 100's of petabytes of data with MySQL to identify trends in how people use the Windows settings app.
- Created a C# Windows app using an association-rule ML model to identify distressed users based on their prior activity and provide them links and videos to help them learn how to use the Windows Setting app.
- App was expected to improve the quality of life of users who have little to no experience with the Windows platform.

Front-End Engineer Intern, UnitedHealth Group

May 2017 - August 2017

- Created a JavaScript web app to help engineering managers and recruiters recruit and engage with potential interns easier. Web app saves at least 350 hours of manager and recruiter time (est. \$13,000 annually) for the Schaumburg, Ill. office.

PROJECTS

Volunteer Lead Engineer, Ladder Labs

August 2020 - Current

Building an API platform for E-Commerce businesses to create coupons, promotions, and other loyalty programs. Leading and mentoring 15 software engineering Bootcamp grads from diverse and underrepresented backgrounds.

- Manage both the front-end & back-end team in an agile environment where I lead weekly standup and sprint planning.
- Facilitate cross-team talks around data schema modeling, deployment architecture, API design, testing, and documentation.
- Pair program with junior engineers and review 4 to 6 PRs weekly where I provide feedback to cultivate engineering talent.
- Front-end: React, Material UI, Redux. Back-End: Node, MongoDB, SuperTest, Mocha, Swagger, Heroku.

Lead Full-Stack Mobile Engineer, GiftPocket

August 2019 - August 2020

GiftPocket is a mobile app to store, purchase, & exchange gift cards with over 1000 monthly users. www.giftpocket.com

- Solely rewrote the legacy GiftPocket iOS app in React Native, increasing app load time by 25% on average.
- Implemented a CI to automate deploying to staging and production EC2 instances, saving at least \$250 a week of developer time.
- Refactored legacy client-side payment services to a PHP micro service, reducing average latency and payment-related bugs by 25%.
- Wrote many unit, component, and end-to-end tests using Jest to reduce likelihood of regressions.