




## Tyler Howard

Software Engineer

- 📍 Charlotte, North Carolina
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### Profiles

 [LinkedIn](#)

 [GitHub](#)

### Skills

#### Advanced

JavaScript, Java, Docker, Linux, AWS, HTML, Git, Kotlin, Lambda, ECS, EC2, CDK, CloudFormation

#### Intermediate

React.js, Python, Typescript, GraphQL, Spring, Android, MySQL, Nginx, DynamoDB, SNS, SQS, CSS

#### Familiar

Webpack, JIRA, Next.js, Postgres, Redis, Kafka, Vercel, Scrappy, Angular.js, Tailwind, Django, Terraform

### Education

#### Temple University

Philadelphia, PA

3.7 GPA

Bachelor's in Computer Science

- Recipient of President's Scholarship (Full Tuition + Stipends)
- Member of Temple's Honors College
- Study Abroad for Artificial Intelligence at the University of New South Wales in Sydney, Australia

### Experience

#### iPipeline

Software Engineer

April 2024 - Current

Charlotte, North Carolina

- Lead development for two clients supporting a full stack web application. Directly interact with customers to provide tailored products and close collaboration.
- Lead research initiatives on improving our products company-wide such as improving tooling, migrating to microservices, and automation efforts.
- Skills: Java, Angular.js, Docker, Lambda, EC2, ECS, Lambda, S3, EFS, Jenkins, Typescript, HTML, CSS,

#### Amazon Global Expansions

Software Development Engineer

August 2020 - February 2022

Austin, Texas

- Led the launch of Amazon services in new global markets that convert around 1 million transactions per month of Amazon purchases to accounting entries in new countries (e.g. [www.amazon.pl](http://www.amazon.pl), [www.amazon.es](http://www.amazon.es), and more).
- Develop a platform of tools to manage erroneous accounting entries. Implemented functionalities for validation, retries, lookup, and automated metrics/triage.
- Created generalized models and an accompanying intake service of frequently used tax code that cuts down dev time on 90% of new country expansions.
- Skills: Java, CloudFormation, Javascript, Angular.js, Spring, AWS, Lambda, Step Functions, EC2, Scrum.

#### Amazon Advertising

Software Development Engineer Intern

June 2019 - September 2019

New York, New York

- Created AWS Fargate prototyping environment to stress-test a throughput of 100,000 TPS for various database streaming solutions.
- Developed automated bench-marking that helped investigate trade-offs of different back-end implementations. The suggested solution provided approximately 20% in annual cost savings.
- Skills: Java, Docker, Redis, Kafka, ECS Fargate, SNS, SQS, SQL.

#### Amazon Alexa Automotive

Software Development Engineer Intern

June 2018 to September 2018

Seattle, Washington (Headquarters)

- Design and develop an Android testing suite that simulates driving. Introduced to design patterns, CI/CD via code pipelines, and Agile workflow.
- Allowed bugs that were previously impossible for engineers to replicate to now be reproducible in seconds from any location.
- Created a facial recognition app to create a device checkout system. Utilized by ~50 devs coordinating hundreds of phones and devices.
- Skills: Android, Git, Bash, JIRA, Python, Sklearn, DynamoDB, REST, Debugging, Unit Tests, Agile.