

# Stephen Jurcsek Jr

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## Education

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**Carnegie Mellon University**

*B.S. Electrical and Computer Engineering*

**Pittsburgh, PA**

*2013–2017*

## Work Experience

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**Capital One**

*Software Engineer*

**New York, NY**

*July 2017–Present*

- Engaged in cross-team effort to refactor 4 legacy AngularJS webapps to Angular2+, adding NGRX functionality and abstracting application logic to composite APIs written in NestJS
- Wrote Go API that supported uploading ~100 photos per day to s3 bucket, enabling underwriters for energy clients to attach photos to reports
- Learned and executed internal change management/YBYO practices, training other team members and engaging with 11 other pods
- Contributed recursive drop-down table to an inner-sourced Angular component library
- Wrote custom financial statement aggregator API using .NET Core, supporting commercial real estate portfolio generating ~\$1 billion in annual revenue
- Refactored key performance metric calculator API for commercial credit clients, adding segmentation for 12 portfolio types and 60 metrics
- Added new methods of payment to a B2B payables product facilitated via virtual credit cards, supporting ~\$1.2 billion in purchase volume
- Leveraged notification API to add 2FA for B2B payables product, enabling ~1000 clients to use SMS 2FA
- Restructured Spring data entities to improve SQL queries generated by JPA, improving runtime by 66%

**Capital One**

*Technology Development Program Intern*

**McLean, VA**

*Summer 2016*

- Updated API endpoints on a fraud reporting web app to detect suspicious deposits in real time for thousands of deposits per minute
- Containerized application using Docker, automated build process, wrote documentation

**NJ Judiciary**

*IT Tech Analyst Intern*

**Trenton, NJ**

*Summer 2015*

- Developer for eCourts Civil, a web application for filing civil court cases online
- Developed a proof of concept of a Selenium-backed automated test suite, providing documentation

## Skills

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**Programming Languages:** Python, Java, Typescript, Javascript, Go, C#, C, C++

**Frameworks/Libraries:** Angular2+, RxJS, NGRX, Node, NestJS, Spring, .NET Core, Django

**Software Engineering:** Full stack web development, API design, AWS