

# John Deeney

Senior Software Engineer

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## Employment History

### Amplify Education

Senior Software Engineer Brooklyn, NY  
June 2016-Present

- Designed and implemented portions of API to support *Boost Reading* (a collection of educational web games) using Python, Amazon Lambda, SQS, and PostgreSQL. Included authentication, game save management, user profile management
- Maintained Python API for years after launch, involving major refactors, tech debt management, scaling, product extension, and general maintenance
- Led small team to design and implement an extension to our API to support additional products (*Boost Math* and *Boost Lectura*)
- Developed backend of QR auth system for young students
- Integrated multiple auth systems and user data sources for use in single webapp/API
- Maintained legacy Java API for storing student test results
- Currently developing multiple product features for *Desmos Math*, a TypeScript application, using both frontend (React) and backend (Node.js) with a MongoDB database, as well as maintaining its data pipeline

## Internships

**URX** San Francisco, CA  
2015 (3 months)

- Developed internal dashboard showing statistics aggregated from various internal services using Python (Flask)

**GE Aviation** Clearwater, FL  
2014 (3 months)

- Developed embedded C for aircraft components
- Developed Perl scripts for streamlining software build processes

**Incomm** Portland, OR  
2013 (5 months)

- Maintained testing framework for C# API

## Skills

Python  
TypeScript/JavaScript  
Java  
PostgreSQL  
AWS  
    Lambda  
    S3  
    EC2  
    SQS  
    CloudFormation  
Serverless  
Terraform  
Service-Oriented Architecture  
Scrum  
Shape Up

## Education

**Rochester Institute of Technology**  
Rochester, NY  
B.S. in Software Engineering  
Graduated 2016

**Universität Osnabrück**  
Osnabrück, Germany  
Computer Science Classes  
Summer 2014