

# Jason Brazeal

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## Experience

### ⋮ PRIMER

**Senior Backend Engineer**  
Primer AI

📅 Jul 2018 – present  
📍 San Francisco, California

- develop REST APIs and other infrastructure backing web-based interfaces to artificial intelligence software (Python/Flask/React)
- deploy and maintain data ingestion pipelines that enable large scale machine learning analyses using a variety of technologies (Python/Docker/Kubernetes/AWS)
- provide technical leadership and advisement as a member of the Platform Infrastructure team through code review, tech talks, interviewing, and mentoring

### MED+AL

**Principal Software Engineer**  
Medal

📅 Jul 2017 – Jul 2018  
📍 San Francisco, California

- participated in the design, coding, and deployment of the Medal platform, which consolidates medical records and clinical data from different sources (Python/Django/Javascript)
- integrated HIPAA-compliant AWS S3 storage and SQS/SNS into Medal platform and applications
- promoted to Principal Software Engineer from Full Stack Engineer, oversaw the engineering team, collaborated to implement new features and improvements, and mentored other engineers
- designed new features and services based on product/business requirements and provided guidance on technical architecture, scoping, preliminary cost analysis, etc.

### » VERODIN™ Security. Instrumented.

**Software Engineer**  
Verodin

📅 Dec 2015 – Jun 2017  
📍 remote

- contributed code to the front and back end of Verodin's Security Instrumentation Platform, an innovative, evidence-based approach to managing cybersecurity
- implemented new features and fix bugs in a massive Ruby on Rails application and supplementary Python-based systems
- wrote functional tests and unit tests for Rails back end and client-side Javascript, and configure them to run in CI system (Jenkins/RSpec/Capybara/Poltergeist/PhantomJS/Jasmine/Teaspoon/Mocha)
- created and maintain dynamic graphics for Rails application using d3.js, amcharts, and jQuery



## Python Developer

Tyco

Technology & Innovation

📅 Sep 2014 – Dec 2015

📍 Boca Raton, FL

- developed web and embedded applications for Tyco On, an IoT initiative to create an integrated data and smart services platform for more than a billion devices deployed around the world
- created REST services to support hardware development, such as MAC address provisioning, device sessions, device authentication using LDAP and TOTP
- designed and built network device simulators to test cloud-based systems' processing of AMQP, UDP, and HTTP/REST communications from devices
- deployed a real-time device data/monitoring dashboard, device log tracker, and several other IoT-related web applications (Python/Twisted/RabbitMQ/Flask/WebSockets/MariaDB/ Javascript/ d3.js)



# TEXAS

The University of Texas at Austin

## Software Developer / Analyst

The University of Texas at Austin

Identity & Access Management

📅 Jul 2013 – May 2014

📍 Austin, TX

- gathered requirements, designed, and coded extension of student web registration available to 50,000+ students for canceling their registration for the upcoming semester (Python/Django, IBM z/OS mainframe back end with Natural/Adabas data store)
- built Python/Django middleware to integrate Toopher mobile app-based second factor authentication into existing legacy web systems using REST API
- set up daily mainframe database (Natural/Adabas) to MySQL database ETL process using SQL scripts and cron jobs for legacy IT service provisioning application
- taught Web Application Security course based on OWASP Top Ten and Python/Django course for campus developers

## Education

### Networking Certificate, in progress

City College of San Francisco

### Webmaster Certificate, 2014

Austin Community College

### Software Developer Training Program, 2012

University of Texas at Austin, ITS

### M.A. in Romance Linguistics, 2005

University of Texas at Austin

### A. B. in Linguistics, 2002

University of Georgia

## Skills

