Jason Brazeal

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Experience

Senior Backend Engineer
Primer AI

📅 Jul 2018 – Jan 2019
📍 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

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.

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

• 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)

Software Developer / Analyst
The University of Texas at Austin
Office of the Registrar
Identity & Access Management

📅 Feb 2012 – 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

Introduction to Networking, 2018
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