Caleb Salt

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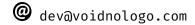
Profile

Highly developed skills in problem identification and implementation of effective solutions. I am comfortable with analyzing and understanding data, working under time pressure, and presenting myself in a professional manner. Passionate about clean, well-tested code. Eager to work in an environment that constantly challenges me to learn and diligently apply myself. I love to mentor.

Experience

Senior Software Engineer, Platform Core
Angel Studios, (Remote)   **Apr 2022 - Apr 2024**
Tech Stack: Python, Django, Redis, RabbitMQ, AWS, Elixir, Phoenix, GraphQL, Postgres
Member of the platform core team. Design processes to enforce code quality, maintenance, speed development and deployability. Develop tooling and act as hub for business and system connectivity.
- Project lead and developer on business process manager and status tracker.
  - Centralized view of business intelligence and insights.
- Project lead and developer on new encoding pipeline prototype.
  - Dynamic configuration on a per title basis of feature requirements for video encodes.
  - Projected to save more than $600,000 annually on CDN costs.
  - Started initiative to allow for full integration testing and QA of assets for distribution.
- Data aggregation service giving concise view into current funding efforts per client project.
- Participated in greenfield design and development of new payments system
  - Integrating with a variety of payment vendors to facility international sales efforts, financial tracking, and consistent processing across the platform.
- Full upgrade of core legacy system along with dependencies and framework upgrades.

Senior Software Engineer, Backend Team Lead
Ten Spot, (Remote)   **Mar 2020 - Apr 2022**
Tech Stack: Python, Django, Flask, OpenAPI, Postgres, Digital Ocean
Conduct technical interviews and dramatically expand the team. Onboard and mentor new hires. Design processes to enforce code quality, maintenance, speed development and deployability.
- Lead full rewrite of backend code
  - Migrate frameworks from Flask to Django.
  - Draft API schema specifications.
  - Data modeling for restructuring of database.
- Set testing requirements and framework for backend systems.
  - Increased code coverage from 3% to greater than 70% in legacy system
  - >90% coverage in new systems.
- Full upgrade of core legacy system along with dependencies and framework upgrades.
- Develop vendor integrations.
- Create SSO integrations with Microsoft Azure Active Directory, Google SSO, and Okta Oauth sign-in flows.

Software Engineer
Lenderclose, (Remote)   **Jul 2019 - Mar 2020**
Tech Stack: Python, Flask/Quart, Postgres
Provide integrations between client systems through RESTful APIs. Develop API driven micro services to begin transition from large monolithic system.
- Product integrations with third-party clients.
- Identity micro-service
  - Single-sign-on (SSO) across systems
  - Central permissions and cross-platform identities.
  - Multi-factor authentication (MFA) sign-on capabilities.

Senior Programmer Analyst

IMT Computer Services, Des Moines, Iowa; (Remote)   **Jul 2014 - Jul 2019**

Tech Stack: Python, Django, EmberJS, AWS, JSONApi, MySQL, Postgres

Design, code, and deploy full tested, scalable, and reliable systems that meet the needs of almost 400 client companies in a fully Test Driven Development (TDD) Agile programming environment.

- Mentor and train new hires and junior developers while pair programming
- Architect a Django backed API running on AWS Elastic Beanstalk with SQS worker queues
  - Asynchronous file transfer system over a Dropbox application.
  - Transfers 50,000+ documents daily for 200 client companies, eliminating nightly FTP batch processing.
  - Created a django-sqs library to provide a consistent drop-in application to manage AWS SQS worker queues, Django settings.
  - Full integration testing suite.
- Liaison with external service provider.
  - Jointly develop and maintain real-time data transfer service using XML over SOAP
  - Eliminate costly and error prone dual manual entry.
- Migrate applications from Python 2 to Python 3.
- Migrate from on-premises servers to AWS cloud platform.
- Python communication server interface for legacy COBOL applications.
  - Clients' local servers directly communicate with APIs on web based systems through JSON.
  - Eliminate transmittal of character delimited flat files through an intermediate translation system.

Programmer Analyst III

EMC Insurance Company, Des Moines, Iowa   **Jun 2008 - Jul 2014**

Tech Stack: Unisys BizServer, MAPPER

P&T Claims and Finance

    Main developer and maintainer for workers compensation regulatory reporting system.

- Electronic data interchange (EDI) system
  - Claims reporting to state regulatory bodies.
- Initiated data sharing systems to comply with multi-state reporting requirements.
- Introduced version control system to development team.

Personal Lines Systems

    Underwriting systems for quoting and handling of personal lines policies.

- Implemented system to provide real-time verification of coverage for police reports.
- Created document system to allow 'paperless' creation and archiving of pdf policy documents.

Peripheral

- Organizer, MC, frequent speaker for the Iowa Python Users Group (PYOWA)
- Organizer, MC, frequent speaker for Chattanooga Python Users Group
  - Talk given on mentoring: https://www.youtube.com/watch?v=ZNfFp7WBo4A
- Instructor/TA for Python Robotics and makerspace classes for 2017 TechJourney youth summer camp
- Speaker at Iowa Code Camp tech conference

References

Contact information provided on request

Levi Stacy   **Jessica Gassman**

    Data Product Manager for Telematics, Nationwide   Senior Software Engineer, Teachable

Eric Mooney   **Bron Kimball**

    Senior Software Engineer, Angel Studios   Product Manager, Angel Studios