

Shola Esho

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Senior Software Engineer with over a decade of experience specializing in building web applications. Proven expertise in leading complex software projects involving Django, Flask, Rails, and GraphQL, with a strong focus on enhancing user experience and operational efficiency. Demonstrated success in driving technological innovations and improving data processing capabilities across various industries. Skilled in mentoring junior engineers and collaborating with cross-functional teams to deliver high-quality software solutions. Committed to leveraging technical skills to make a tangible impact in society.

SKILLS

- Languages: Python, Ruby, Javascript
- Database: SQL, Postgres, MySQL, Redis, DynamoDB, Elasticsearch, ETL
- Cloud: AWS ECS, AWS Lambda, AWS SNS, AWS SQS, Docker
- Web: Django, Flask, FastAPI, Rails, AngularJS, Node.js, REST, GraphQL
- CI/CD: Git, SVN, Github, CircleCI, TravisCI
- Monitoring: Datadog, NewRelic, PagerDuty
- Process: Agile/Scrum, Test Driven Development

WORK EXPERIENCE

Wellthy, New York, NY (remote)

Senior Software Engineer

February 2021 - December 2023

Environment: AWS, Aptible, Django, Celery, Redis, GraphQL, PostgreSQL, Snowflake, Oso, Docker, Apache, Datadog, PagerDuty, S3

- Spearheaded the integration of a role-based access control system, centralizing authorization management across the portfolio of Django and Flask applications.
- Implemented a GraphQL federation solution, unifying all organizational applications under a single GraphQL interface.
- Drove the transition from Django server-side rendered pages to GraphQL by creating libraries that standardized Django usage and error handling.
- Developed and documented Django middleware for seamless integration with the Snowplow Analytics platform.
- Conducted evaluations of vendor tools, developing proof-of-concepts in collaboration with vendor sales support teams.
- Provided critical support to Client Success and Sales teams, rapidly developing customer-facing features instrumental in securing deals with major clients like Google, PNC Bank, and Roku.
- Boosted customer acquisition efficiency by enhancing data accuracy and optimizing queries, slashing error rates from 15% to 2% and reducing processing runtime tenfold, thereby minimizing client support interactions.
- Mentored Junior Software Engineers via regular pair programming and knowledge-sharing sessions, fostering a collaborative and educational team environment.

Squarefoot, New York, NY

Senior Software Engineer

May 2019 - December 2020

Environment: AWS, AWS ECS, Kinesis, Flask, Rails, GraphQL, REST, Elasticsearch, SQLAlchemy, Nginx, HAProxy, Cloudwatch, Cloudformation, Docker, DynamoDB, SQS

- Provided the development and maintenance of Rails GraphQL API and Flask REST API microservices, alongside managing AWS ECS deployments.
- Streamlined the ETL process for rental listings, significantly enhancing data quality for both the company's brokers and app users, resulting in more efficient and accurate searches.
- Provided product expansion by enriching rental listings data, successfully extracting subleasing information to offer a more comprehensive search experience.

- Executed a Salesforce integration within the main application, creating an app-driven lead curation flow that streamlined sales processes.
- Collaborated in the implementation of a chat service using FastAPI, facilitating a smooth transition from web to SMS communication via Twilio, enhancing user engagement and accessibility.
- Managed scalable production environment consisting of AWS ECS, ELB, Kinesis, Lambda and RDS services.

RigUp, Austin, TX (remote)

Software Engineer

August 2017 - April 2019

Environment: Heroku, Rails, AngularJS, PostgreSQL, SQS, Lambda, API Gateway, S3, RDS, Cloudwatch

- As a Full-Stack Engineer, provided feature implementation and maintenance for the main product built with Rails and AngularJS on Heroku.
- In my role on the Data Team, I led the development of a data warehouse using Python and Node.js on AWS Lambda and RDS, enabling real-time data integration between the Rigup platform and various vendor applications.

7Park Data, New York, NY

Lead API Software Engineer

September 2016 - August 2017

Environment: AWS EC2, Django, DynamoDB, Redshift, Redis

- Designed and implemented an access control system for the data product with fine-grain permission rules within Django.
- Enhanced customer-facing and internal APIs to enable dynamic data aggregation, harnessing multi-dimensional queries for more robust data analysis capabilities using Django REST Framework
- Expanded the API to integrate and support a range of new data products, enhancing the service offering and user experience.
- Developed a client notification system and advanced command-line tools, optimizing the process of data extraction from the API and elevating client engagement using Celery tasks and Python.

IBM, New York, NY (remote)

Staff Software Engineer (StoredIQ)

June 2015 - August 2016

Environment: Python, PostgreSQL, SQLAlchemy, Nginx, Twisted, CentOS, REST, SOA

- Led API development of the StoredIQ product using a custom-built Python framework.
- Developed a performance metrics tool specifically for the StoredIQ product, successfully identifying and addressing critical bottlenecks. This initiative significantly optimized system efficiency, reducing request response times by a factor of 5.

Percolate, New York, NY

Backend Engineer

September 2014 - June 2015

Environment: Django, MySQL, Thrift, SQLAlchemy, RabbitMQ, EC2, SNS, S3, REST

- Collaborated on the development of a Django-based templating system to create and manage content across mobile and web clients.
- Enhanced the product's publishing capabilities by extending support to major social platforms like Instagram and Pinterest relying on Celery tasks.
- Collaborated directly with the Facebook Photos team to optimize the publishing process of media content.

StoredIQ (acquired by IBM), Austin, TX

Software Engineer

September 2012 - August 2014

Environment: Python, PostgreSQL, SQLAlchemy, Nginx, Twisted, CentOS, REST, SOA

- Engineered applications within a custom-built Python Service-Oriented Architecture (SOA) framework.
- Built a workflow engine in Python enabling flow specification through a YAML file, streamlining process customization and automation.
- Created a testing framework that conducts tests with sample data extrapolated from API schemas
- Designed and implemented websocket support using Python gevent library to allow for real-time data communication capabilities with web clients

EDUCATION

The University of Texas at Austin

2000 - 2004

- Bachelors in Computer Science
- Business Foundations Certificate