

Hi, I'm Abenezer.

I am a full stack developer with strong backgrounds in API design & development, micro services, databases, cloud-native & server less computing, topics in NLP & ML, security, test-driven development, CI/CD pipelines, and agile methodologies. I am passionate about building resilient & scalable systems to automate and optimize workflows, extract meaningful insights, and provide intelligent decision making.

Experience

Pivony @ ITU

JUNIOR PYTHON DEVELOPER

May 2020 - Oct 2020

built a distributed AWS native topic modeling platform using micro services to efficiently process and summarize textual data and identify user trends such as sentiment, complaints, influence, keywords, topics, and deliver actionable insights.

- Built a preprocessing service using dask & docker to efficiently provide NLP preprocessing functionalities
- Built an AWS resource orchestrator using boto3 to optimize resource allocation and reduce EC2 idle times
- Built topic modeling engine using unsupervised algorithms such LDA, GSDMM and BERT to efficiently group documents
- Utilized multiple cores in conjunction with docker & Kubernetes to efficiently scale services and reduce EC2 usage by 90%

Software Design Studio @ Reed College

FULL STACK DEVELOPER INTERN

Jan 2017 - Aug 2017

Got introduced to the fundamentals of web programming tools such as flask, javascript, postgresSQL, HTML/CSS/JavaScript, Git, & Linux and built a fleet management / geolocation tracking web application for efficient & accurate vehicle management

- Geolocation tracking engine to improve fleet management using jQuery, python, and PostgreSQL
- Created user authentication and authorization middleware using Flask, PostgreSQL and python decorators
- Created UI components using bootstrap, JavaScript & CSS

Computer User Services @ Reed College

HELP DESK SPECIALIST

Mar 2016 - May 2019

Used bash scripting tools in conjunction with in house management software to create and distribute images of Mac OS and Windows to campus machines

- Managed labs to provide a safe computing environment for students.
- Tested and deployed weekly firmware and software updates to ensure data security and privacy.
- Overhauled real-time monitoring system on lab machines using PHP and command line scripts to improve accuracy.

CONTACT

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<https://github.com/abmamo>

Portland, OR

EDUCATION

2015-2020

B.A. in Computer Science

Thesis: Scalable Learning for the Odd Man Out Task with Applications to Word Vector Induction

Reed College

2017-2018

Study Abroad in Informatics

University of Sussex

SOFT SKILLS

- Communication
- Empathy
- Teamwork
- Accountability
- Approachability
- Open-mindedness
- Problem Solving
- Creativity
- Time Management

HARD SKILLS

- AWS/GCP/Azure
- python/go
- PostgreSQL/MySQL/MongoDB
- Linux/Unix/Bash/Command Line Tools
- HTML/CSS
- JavaScript
- Git
- Docker/Kubernetes
- Hadoop/Hive/Spark

PROJECTS

SINBAD

Vendor agnostic data automation platform to streamline ETL procedures across applications and services and reduce suboptimal decision-making

TERET

Blogging PWA written in Flask, SQLAlchemy, SQLite, jQuery, and Jinja2

MAY 2020 - OCT 2020

JAN 2017 - AUG 2017

MAR 2016 - MAY 2019