**O-3336152 | SYSTEM1, LLC | Python Engineer**

Top Skills' Details

1) 3-5+ years of Python Development experience building large scale web applications  
2) Open to intermediate and senior level skillsets in Python, whether they have been focused in data(terabytes of data), devops, or tools.  
\*\* Preferably don't like candidates that are heavy with Swift

Secondary Skills - Nice to Haves

Job Description

System1 is looking for a Software Engineer that is a curious, innovative, and methodical problem solver. In this role, you will play a key part in defining and building one of our new and promising e-commerce products. The ideal candidate is a team player who can design and execute simple and elegant solutions to big problems around large datasets and distributed systems, focusing on performance and scale. This person can also manipulate and leverage datasets to extract valuable insights coming from millions of users, external APIs, and data feeds.  
  
The Role You Will Have  
Build new distributed platforms from the ground up, which focus on B2C retail and e-commerce products and continuously optimize to meet ambitious goals.  
Design and implement algorithms to efficiently process, analyze, and serve massive datasets to enable product recommendations and user-intent detection.  
Build, operate, and optimize large web-based systems and platforms that interface directly with data science real-time scoring models and support various optimization algorithms that are multi-objective in nature.  
Process user engagement data, product feeds, and APIs in real-time/near real-time and integrate with ML models that power the products.  
  
What You Will Bring  
3+ years experience in backend or full stack development.  
Bachelor’s in Computer Science or equivalent professional experience.  
Well versed with Python and Python libraries/frameworks is required.  
Passion for leveraging technology to solve problems and maximize productivity.  
Thrive in collaborative teams.  
Experience building scalable and reliable products in the cloud.  
Experience with designing, implementing, and using RESTful APIs.  
  
What We Have To Offer  
Competitive PTO  
10 Company Holidays  
Untracked sick time  
Medical, Dental, Vision coverage  
401k w/match  
Professional development reimbursement  
Leadership & growth opportunities  
Commuter benefits  
#BI-Remote  
#LI-Remote

Additional Skills & Qualifications

\*\*This is another Job Description for the Data team if the candidate is interested/has experience working heavy with data\*\*  
  
System1 is also looking for engineers with production data experience to join the Data Engineering team. This team is the horizontal layer that supports business intelligence, optimization, machine learning, and external & internal reporting. We process and report on hundreds of millions of events and user attributes per day, gathered from an extremely heterogeneous and large set of data streams.  
  
Our bread and butter is Python and SQL. We utilize a range of technologies including AWS SNS, SQS, EC2, S3, Secrets Manager, Redis, Apache Airflow, Docker, as well as PostgreSQL and Snowflake for our data warehousing.  
The Role You Will Have  
Architect new components and improve on a coherent and performant data architecture  
Prototype, develop, deploy, and debug data ingestions and data management services  
Evaluate, recommend, and perform proof-of-concepts for new data toolsets and systems  
Design databases and construct queries and reports for a data driven business: guiding architectural design, business decisions, and optimizations  
Participate in peer code reviews and produce high quality documentation  
Take projects through the full engineering lifecycle: designing, ticketing, building, testing, deploying, and debugging tools and products  
Help grow a team and work with a tight knit group of engineers and data stakeholders  
Flexibility in working with different teams, products, and their data needs  
What You Will Bring  
Bachelor’s in Computer Science or equivalent professional experience  
6+ years of experience with Python development  
6+ years of experience working and reasoning with large SQL datasets (Experience with PostgreSQL and Snowflake a plus)  
Understanding of NoSQL datastores like DynamoDB and Redis  
Experience with Linux and the AWS ecosystem  
Experience with Docker a plus  
Experience with Airflow a plus

Employee Value Proposition (EVP)

#1 partner to google , they utilize them to make their business' work, they are also a top partner for AWS. They provide a lead generation production engine and this engineer will be working to build and make the core product transition to one platform to enhance the platforms efficiency.  
  
Diversity & Inclusion council  
Employee resource groups  
Volunteer opportunities  
Lunch & learns  
Monthly all team events  
COVID fund to help employees in need  
Hackathons  
401 K match  
Education subsidy

Work Environment

6-10 engineers per team, mostly backend work. Currently running lean teams that are all sitting remotely. All new development, no maintenance, migration is completed.