Kabeer Vohra

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Experience

Senior Software Engineer **Remote, Europe**

Tactic May 2021 – Present

Responsibilities

- Maintenance of AWS infrastructure and support to engineers regarding deployment to production and development environments.
- Technical and cultural interviewing for backend and ML engineering candidates.
- Planning and delivery of epics for backend and infrastructure tasks using feedback from internal and external customers.

Deliverables

- Delivered Kubernetes autoscaling of nodes and pods based on SQS queues using Keda and EKS node autoscaling.
- Redesigned the system for horizontal and vertical scalability which delivered a 20 times increase in capacity and speed of the system.
- Moved AWS infrastructure to IAC using Terraform.
- Converted original production and development environments from EC2 processes to Kubernetes and CI using Helm on GitHub Actions.
- Set up StatsD monitoring and alerting for all Python processes as well as monitoring of other infrastructure all sent to Datadog.
- Improved naming of external company database by extracting features from webpages and using similarity detection to current name.

Technologies: Python, Poetry, SQLAlchemy, Postgres, Redis, Kubernetes, Helm, Docker, GitHub Actions, Elasticsearch, Alembic, Serpwow, BeautifulSoup, Terraform, Datadog, StatsD, AWS(EKS, EC2, OpenSearch, RDS, IAM, ECR, S3, VPC), GraphQL

Senior Software Engineer **London, UK**

Lyst Nov 2020 – May 2021

Responsibilities

- Hired and line managed a software engineer on the team.
- Provided mentoring and support while splitting epics so that the work could be carried out by the entire team.
- Supported business analysts and engineers in the company to write ETL jobs which enabled deeper insights of the data.

Deliverables

- Built testing framework to allow developers to test end to end their ETL jobs and serverless code.
- Migrated Python jobs in Celery with RabbitMQ to AWS Lambda with SQS and SNS queueing architecture.

Technologies: Python, Poetry, Celery, AWS (Kinesis, Firehose, S3, Lambda, SQS, SNS, Redshift, Glue, Athena, VPC), CircleCI, RabbitMQ, SQL, Looker, Terraform, Empire, PySpark, StatsD, Grafana, CircleCI, Snowflake, Pandas

Software Engineer **London, UK**

Lyst Nov 2018 – Nov 2020

Responsibilities

- Supported engineers from all departments for migrating their data to the data lake as well as setting up partitioning and schemas for efficient data retrieval.
- Worked with engineers to move data from various sources into internal VPC's so that the data could be sent to the data lake securely.

Deliverables

- Migrated entire analytics pipeline containing all Cloudwatch logs for the website to data lake infrastructure using Terraform modules.
- Created infrastructure to query data through AWS Athena and Snowflake pipelines connected to Looker.
- Enabled a speed up of queries run by most business units within the company which took hours to process within minutes.
- Implemented financial discrepancy monitoring system to compare live ingested data from various sources to historical Redshift tables.

Technologies: As per above role

Software Development Engineer Intern **Luxembourg City, Luxembourg**

Amazon Apr 2017 – Sep 2017

Responsibilities

- Led internship project by requirement capture from internal stakeholders and regular updates on progress.
- Organised meetings with various stakeholders to deprecate old resources and significantly reduce the monthly resource bill.
- Code reviews for entire team.

Deliverables

- Replaced core metric system with an improved workflow and approval process as well as new visualisations. Analytics showed fast adoption by customers of the page with the old page having no active users by the end of the internship.
- Completed project to deprecate old resources following various stages so delivery station managers across Europe were not disturbed.

Technologies: Ruby on Rails, Java, SQL, AWS(API Gateway, S3), Git

Education

Computing with Artificial Intelligence, MEng, 2:1 **London, UK**

Imperial College London Sep 2013 – June 2018

PhishingLine: Hybrid Phishing Classifier with Logo Detection, First Class

Skills

Technical: Python, Terraform, Docker, AWS, SQLAlchemy, Kubernetes, Helm, OpenCV, Ruby on Rails, Bash, HTML/CSS, JavaScript, Java, C++, PHP

Languages: English (Native), Hindi (Intermediate), Italian (Elementary), Spanish (Beginner), French (Beginner)