Devashish Patel

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EDUCATION

Master in Computer Science | Texas A & M University (May 2018) | GPA – 4.00 / 4.00
Related Courses: Analysis Of Algorithm, Cloud Computing, Storage Systems, Real-Time Systems

Bachelor in Computer Science & Engineering | Gujarat Technological University (June 2015) | GPA – 3.57 / 4.00
Related Courses: Software Engineering, Database Management System, Operating System, Compiler Design, Data & File Structures, Web Application Development, Information Security, Business Intelligence and Data Mining

MOOCs – Complete Python Bootcamp, Django Full Stack Web Developer Bootcamp, Node.js , Developers guide to MongoDB, RESTful APIs with Flask and Flask-RESTful, gRPC with Go and Python, Machine Learning

TECHNICAL SKILLS

Programming Languages:	Python, Go, Dart, JavaScript
Databases:	PostgreSQL, MySQL, Elasticsearch
Technologies, Frameworks & Libraries:	AWS (EC2, S3, ECS, Elasticsearch Service, RDS), Docker, REST APIs, gRPC, Celery, RabbitMQ, Kafka, Memcached, Django, Flask, Flutter, Git, SQLAlchemy, New Relic, Mixpanel, Kibana, Jira

WORK EXPERIENCE

Software Engineer | Coalition, Inc., Remote, USA. (May 2021 - Present)
- Design and implement cyber insurance platforms for global partners and integrate them with internal APIs.
- Maintain and improve the performance of the customer facing API and internal microservices.
- Migrate existing monolithic system to gRPC based microservices.

Software Engineer | Critical Start INC, Plano, TX. (July 2018 – May 2021)
- Design, create and maintain RESTful APIs that interact with **PostgreSQL** and **Elasticsearch** by using **Django**.
- **Integrate 3rd party APIs** like **Palo Alto, Blackberry Cylance, Microsoft Defender, SentinelOne** to with existing services and **add appropriate documentation** for future use cases.
- Write **asynchronous tasks with Celery,** based on distributed message passing with **RabbitMQ** as a broker.
- Lead the industry's only mobile application development with **Flutter** that lets enterprise customers interact with Critical Start's Security Operation Center team without being threatened by their desktops.
- Deploy and maintain dockerized production environment with **Terraform** and provide immediate support during the production outages.
- Build dashboards in **New Relic, Kibana** and **Mixpanel** to help executives and product managers to take decisions.

PROJECTS

Security Events Likelihood | Supervised Machine Learning – AWS SageMaker
- Generating a machine learning classification model, which gives the likelihood of incoming security events with different security events' levels to reduce investigation time up to 20%.
- The modesl are being trained with existing labeled data from the current rule-based system and, will be deployed on the AWS SageMaker for production use.

Emaily | MongoDB - Express - React - Node.js
- A **full-stack web application** for sending bulk emails to get feedback which has back-end with the **Node.js, Express** and front-end with **React**, deployed it on the cloud Platform-as-a-Service **Heroku** with DaaS **mLab.**
- Incorporated 3rd party libraries like **Passport.js** for **Google OAuth2.0** authentication**, Stripe** for **payment process, SendGrid** for **email processing.**
- https://emaily-deva.herokuapp.com

Sparkle Chatbot | Chatterbot
- A chatbot that talks about mental health, part of the project https://gratitude07.wixsite.com/website.
- https://github.com/devashish-patel/sparkle_bot

Webcam Motion Detector | Python - Bokeh
- Open-source Computer Vision motion detection project to detect Human Faces and different objects coming in front of the webcam for a specific period, which plots the motion graph of the activities using Bokeh.
- https://github.com/devashish-patel/webcam-motion-detector