

# 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, Neural Networks, 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, Modern React with Redux, Node.js, React Native, Developers guide to MongoDB, RESTful APIs with Flask and Flask-RESTful

## TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C#, SQL

Databases: MySQL, Elasticsearch, MongoDB, MS SQL, PostgreSQL, SQLite

Technologies, Frameworks & Libraries: AWS, Docker, Node.js, Express, Django, Restless-Django, Flask, Flask-RESTful, React, Redux, SQLAlchemy, React Native, Kibana, Logstash, Mocha, MongoDB, HTML5, CSS3, Bootstrap, Git, GitHub, Heroku

## WORK EXPERIENCE

**Jr. Software Engineer | Critical Start INC, Plano, TX. (July 2018)**

- Working with Django and [restless](#) on the back-end to create RESTful APIs and writing database services with PostgreSQL and Elasticsearch. Writing comprehensive unit test cases for the APIs and services.
- Executing asynchronous task with Celery based on distributed message passing with RabbitMQ as a broker.

**Web Application Developer | D-HiT Solutions, Vadodara, India. (June 2015 to May 2016)**

- Implemented high-quality back-end with C# and designed attractive front-end with JavaScript, HTML and CSS. Wrote complex queries and stored procedures in MS SQL and comprehensive unit test cases.

## PROJECTS

**Email | 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 the **React**, deployed it on the cloud Platform-as-a-Service **Heroku** with DaaS **mLab**.
- Incorporated 3<sup>rd</sup> party libraries like **Passport.js** for **Google OAuth2.0** authentication, **Stripe** for **payment process**, **SendGrid** for **email processing**.
- <https://email-deva.herokuapp.com>

**Social Media Blog Clone API | Django - Restless – Celery - SQLite**

- RESTful APIs with Django and restless (micro-framework for creating APIs) in which users can create their own groups or community to share their thoughts via Blogs and other users can get notifications for it in addition they comment on a specific blog as well. Currently working on attractive UI for it.
- <https://github.com/devashish-patel/product-search-with-flask>

**Webcam Motion Detector | Python - OpenCV - Bokeh**

- Open-source Computer Vision** motion detection project to detect Human Faces and different objects coming in front of webcam for a specific time period, which plots the motion graph of the activities using **Bokeh**.
- Learned to use **haarcascades XML classifiers** for **human faces and different objects detection** with OpenCV.
- Utilized Bokeh library to plot motion graphs from the data generated in CSV format from the program.
- <https://github.com/devashish-patel/webcam-motion-detector>

**BudgetApp API | Node.js - Express - MongoDB**

- Individual Budget Maintenance Application, which has back-end coded in **Node.js** and **MongoDB** as a database.
- Accomplished the deployment of back-end on the **Heroku** with the database service **mLab**.
- Utilized libraries like **Mocha** for unit testing, **Lodash** for additional utilities, **mongoose** as an ORM, **jsonwebtoken** for **JWT-Authentication**, **crypto-js** and **bcryptjs** for salting and hashing of the confidential information.
- <https://github.com/devashish-patel/BudgetApp-API> | <http://budgetapp-dgp.herokuapp.com>

**Employee Management Mobile Application | React Native with Redux - Firebase**

- Learned to develop Mobile application with React Native in which user can manage the shifts of employees and can text it to them. **Link:** <https://github.com/devashish-patel/empmgr-react-native>
  - For more projects please visit [github.com/devashish-patel](https://github.com/devashish-patel)