Akshay Shashikant Rajguru

Software Developer | Pune, Maharashtra, India

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ABOUT

- **Backend web developer** with experience in **Python web development** with a primary focus on the development of all server-side logic, ensuring high performance and responsiveness to requests from the front-end.
- Collaborative team player and **Agile practitioner** with **3+ years** of experience and proficiency in object-oriented methodologies, programming, data analysis, data analytics, and user interface development.
- Currently working on Agile Project using **Python, MongoDB, and HTML/JS/React** front end.
- My areas of responsibility include converting MATLAB-based tire simulation automotive applications to Python-based scalable web applications.
- Knowledgeable of frontend and backend requirements and familiar with **RESTful APIs.**
- Designed and developed efficient and maintainable software according to business objectives and the needs of various clients with a **Customer Satisfaction Index > 95%.**
- Maintained complex technology architecture and collaborated with the product team to implement new features and strategically plan for future projects.

TECHNICAL SKILLS

Front-end	Back-end	Tools	UI / Ux Test	Source Control
HTML5	Python	NumPy, OpenCV	Robot / Selenium	Git
CSS3	MongoDB	Pandas, Matplotlib	pytest / unittest	BitBucket
Bootstrap	MySQL	PyMongo	Jest / TDD	GitHub
JavaScript	C Sharp	Django, Django REST framework		
ReactJS / Redux		Tornado		

ACADEMIC QUALIFICATIONS

Qualifications	Year	College/School/Institute	University	Percentage
B.E. - Electronics & Telecommunication	2018	PVG's College of Engineering and Technology, Pune	Savitribai Phule Pune University	66.22%
12th Std.	2014	Purandar Junior College, Saswad	Maharashtra Board	77.54%
10th Std.	2012	MES Waghire High School, Saswad	Maharashtra Board	93.03%

PROFESSIONAL EXPERIENCE

August 2020 – Current   Systems Engineer | Tata Consultancy Services (Client: Bridgestone)

- Implemented Python code to parse and analyze tire footprint image datasets using **Pillow** and **OpenCV** to process tire pressure data.
- Developing backend logic in **Tornado** web framework to calculate various tire footprint metrics using **NumPy** and **SciPy**. Exporting reports for the same in Excel using **Pandas** and **Matplotlib**. Using **PyMongo** to work with **MongoDB**.
- Responsible for managing the interchange of data between the client-side and server-side.

August 2019 – July 2020   Assistant Systems Engineer | Tata Consultancy Services (Client: Fiat Chrysler Automobiles)

- Developed a web application with Python **Django** web framework and **TensorFlow** Object Detection API support to identify specific mechanical parts and recognize their orientation and coordinates from supplied vehicle engine part image.
- Worked in on Advanced Analytics Toolbox in **Qlik Sense** to use Python and R-based Machine Learning models for Data Analytics.

August 2018 – July 2019   Assistant Systems Engineer Trainee | Tata Consultancy Services (Client: Fiat Chrysler Automobiles)

- Created a **C#. NET**-based **WPF** desktop application with MVVM architecture to provide loose coupling between business logic and UI. Implemented Singleton design pattern for the singularity of data around the application.
- Used IronPython to Integrate Python in C# apps for the Powertrain Control unit to analyze vehicle signals and their connectivity.

TECHNICAL PROJECTS

Filmystan

A Django-based full-stack web application paid membership e-commerce website using Stripe API for film reviews/blogs.

Blog Publishing App

A full-stack web application that allows multi-user blogs with time-stamped entries. It uses React for the frontend and Node.js and MongoDB for the backend. Some features include registering user accounts, sign-in/sign-out, and upvoting the blog.

CSS Based Projects

A website hosted on Heroku to showcase CSS skills: https://css-projects.herokuapp.com/

Django based Portfolio

A website hosted on Heroku to showcase Django skills: https://akshayr-portfolio.herokuapp.com/

ACHIEVEMENTS

- Three Year's **Service & Commitment Award** (TCS: 13 Aug 2021)
- **On the Spot Award:** For the contribution in tire simulation automotive applications (TCS: 18 Mar 2021)
- **Special Achievement Award:** For delivering successful PoCs based on Image Processing and Deep Learning (TCS: 02 Jan 2021)
- **Best Team Award:** For the contribution in receiving 98% CSI (TCS: 03 Dec 2020)
- **On the Spot Award:** For successful integration of Python in C# apps (TCS: 16 Sept 2019)

CERTIFICATIONS

- **Python and Django Full Stack Web Developer Bootcamp** | Udemy | Certificate Id: UC-7667832a-b701-40d9-8796-db12ea08a2eb
- **Building RESTful Web APIs with Django** | LinkedIn | Certificate Id: AXyorSV-qBACCekHH2Dj7RPJ3-Tr
- **Python for Data Science and Machine Learning Bootcamp** | Udemy | Credential ID UC-2bc2d78d-f1dc-4ed3-8c79-faf9121368d8
- **Building Modern Projects with React** | LinkedIn | Certificate Id: AaP_wDl93hvw4Ob7OIX2rfIQDsIS
- **React: Creating and Hosting a Full-Stack Site** | LinkedIn | Certificate Id: ARlWdy1FL-RJLJMl6UC_XXOhOKMo

ADDITIONAL INFORMATION

Soft Skills	- People Management Skill, Team Player, Positive Attitude - Analytical Skill, Quick Learner, Presentation Skill
Personal Interests	- Reading Novels - Sketching Portraits, Mobile Photography
Languages Known	English, Hindi, Marathi
Date of Birth	30th Sept 1996
Nationality	Indian
Gender	Male
Marital Status	Single

Declaration

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Akshay Rajguru   **Date**
Signature