


# AKASH B

*Full Stack Developer*

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## Summary:

I am an experienced Python developer with 6 month and Salesforce manual tester with 2 years of experience, now pivoting to Full Stack Developer with a focus on Python with hands-on experience. Expertise in front-end and back-end technologies, including React, MongoDB and Django. Demonstrates a solid understanding of application development, from design to deployment, and a proven ability to adapt and thrive in a dynamic development environment. Combines strong testing background with development expertise to contribute effectively to building and maintaining high-quality software solutions.

## Area of Expertise:

- HTML
- CSS
- JavaScript
- React
- Python
- Django
- MongoDB
- Jira
- Rental Man
- UI Testing
- Salesforce

## Certifications:

- Design and Development in Fullstack - Python
- Tricentis Tosca Fundamentals – Automating web application testing (Basics)

## **Experience: 4+ Years**

**Tata Consultancy Services as a System Engineer from March 16, 2022, to present.**

### **Roles and Responsibilities:**

- Developed and maintained Python-based applications, contributing to feature implementation and bug fixes.
- Created and executed unit tests, ensuring high code quality and reliability.
- Create and execute unit tests to validate code functionality.
- Created and managed Django models to define the structure of database tables and relationships.
- Created and executed comprehensive test cases for Salesforce functionalities, including custom objects, workflows, and validation rules, ensuring alignment with business requirements and use cases.
- Identified, documented, and reported defects within Salesforce applications, using tools like JIRA, and collaborated with developers to facilitate timely resolution.
- Conducted data validation and verification processes, ensuring the accuracy and integrity of Salesforce data across different modules such as Leads, Opportunities, and Cases.
- Coordinated and facilitated User Acceptance Testing (UAT) sessions with end-users, gathering feedback and ensuring that Salesforce configurations met user expectations and business requirements.
- Tested Salesforce configurations, including custom fields, page layouts, record types, and approval processes, to ensure they functioned correctly and met specified requirements.
- Performed integration testing for Salesforce with third-party applications and systems, verifying data flow and interaction between Salesforce and external platforms.
- Documented test results and created detailed test reports, highlighting test coverage, defects, and overall test status for stakeholders and project managers.
- Executed end-to-end testing scenarios covering complete business processes in Salesforce, from lead generation to opportunity closure, ensuring seamless workflow integration.
- Tested the accuracy and functionality of custom reports and dashboards, ensuring that data visualizations and analytics met user requirements and provided accurate insights.

## **Quality Control Engineer at Tenneco Pvt Ltd from November 2020 to March 2022.**

- I provided engineering support to the quality control department by developing inspection and test plans.
- In addition, I conducted thorough reviews of calibration, storage, and inspection records.
- Each day, I meticulously inspected approximately 2000 products by approved standards and readied them for testing.
- Furthermore, I coordinated testing activities with the production and planning departments and meticulously maintained quality records and documentation.

## **Project Experience:**

Project Title: **E-commerce application.**

Role: **React Developer**

### **Project Overview:**

Developed an **E-commerce application** using React, focusing on building a responsive and interactive user interface.

### **Key Responsibilities:**

- Designed and implemented reusable React components, enhancing code maintainability and efficiency.
- Used React hooks (e.g., useState, useEffect) to manage state and lifecycle events within functional components.
- Implemented client-side routing using React Router, ensuring smooth navigation and user experience across different application views.
- Developed and integrated RESTful APIs to fetch and display data, ensuring seamless interaction between front-end and back-end services.
- Ensured responsive design and cross-browser compatibility using CSS frameworks like Bootstrap or Material-UI, or custom CSS styling.
- Improved code maintainability and reusability by implementing a component-based architecture and utilizing hooks.

Project Title: **Personal portfolio website.**

Role: **React Developer.**

**Project Overview:**

Developed **Personal portfolio website** using React, focusing on delivering a high-quality user experience and dynamic content rendering.

**Key Responsibilities:**

- Created intuitive user interfaces and user experiences, working closely with designers to implement responsive layouts and interactive elements.
- Implemented features for dynamic data rendering, including filtering, sorting, and searching, using React's state management and lifecycle methods.
- Enhanced application scalability and maintainability by implementing modular components and efficient state management.

Project Title: **User Authentication System.**

Role: **Full-Stack Developer.**

**Project Overview:**

Developed a user authentication system using Django and SQLite3. The project focused on implementing secure user registration, login, and session management features.

**Key Responsibilities:**

- Set up a Django project and configured SQLite3 as the database backend for simplicity and rapid development.
- Configured Django settings and managed project dependencies using **pip** and **requirements.txt**.
- Designed and implemented a user registration form using Django's forms framework, ensuring data validation and user-friendly feedback.
- Integrated password hashing and validation to enhance security.
- Developed a secure login system using Django's built-in authentication views and forms, implementing session management to track logged-in users
- Ensured protection against common security vulnerabilities such as CSRF (Cross-Site Request Forgery)
- Implemented session management to handle user logins and maintain user state across different pages.
- Added functionality for users to log out and securely terminate their sessions.
- Created and styled registration and login pages using HTML, CSS, and Django's template engine.
- Utilized SQLite3 to manage user data, including fields for username, email, and hashed passwords.
- Created and managed database migrations to reflect changes in the data model.
- Performed unit and integration testing to ensure the functionality of user authentication features, using Django's testing framework.
- Validated form inputs and handled edge cases to ensure robust error handling and user feedback.

## **Education Qualification:**

OCTOBER 2020 (CGPA-6.7)

**B.E. in MECHANICAL ENGINEERING**

PRINCE SVP ENGINEERING COLLEGE

CHENNAI-600127

APRIL 2016 (12th HSC- 81%)

VAILANKANNI MATRICULATION AND HIGHER SECONDARY SCHOOL

BARGUR-635104

MARCH 2014 (10th SSLC – 86%)

BOSTON MATRICULATION HIGHER SECONDARY SCHOOL

JOLARPET-635851

## **Personal Details:**

**Father Name:** Bhoopathy M

**Languages Known:** English, Kannada, Telugu and Tamil

**Nationality:** Indian

**Hobbies:** Building Personal Projects, Coding Challenges and Competitions, Blogging and Tutorial, Cooking, Internet surfing, Physical activities.

**Declaration:**

I now declare that the above-written particulars are true to the best of my knowledge and belief.

Date:

Place: Bangalore

**Akash B**