

TECHNICAL SKILL

- **Front-end:** React.js, Angular.js, HTML, CSS, SASS, TypeScript, JSON, Bootstrap
- **Languages:** Python, Jinja, Node.js, C# Sharp, Java, Go, Javascript, SQL and NoSQL
- **Frameworks:** Django, Flask, FastAPI, React, Angular, Vue, Jupyter Notebook, Google Colab
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Cassandra, RDS, S3, DynamoDB
- **ML Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **Testing Tools:** pytest, jest, unittest, pdb, cProfile
- **Automation:** Selenium, Python
- **AWS Services:** IAM, SSO, KMS, ECS, EKS, CDK, Lambda, SNS, SES, SQS, Glue, SWF, Cloud Formation, Quicksight
- **Message Queues:** RabbitMQ, Kafka, gRPC
- **Project management tools:** Jira, Confluence

SUMMARY

- With over **3** years of experience in design, development, testing, and maintenance, I possess strong proficiency in **Python (Django)**, and **Node.js (JavaScript)** for building backend logic, APIs, and business logic.
- Experienced in web development using **Python** frameworks like Django and Flask to build dynamic and scalable web applications.
- Implemented serverless architectures using **AWS** Lambda functions written in **TypeScript, Python & JavaScript**.
- Utilized **React** to develop dynamic and interactive front-end components, enhancing the user experience and performance.
- Identifying and resolving software defects reported by users or detected through **testing**, including unit testing with Pytest.
- Experience with **querying** both relational and non-relational databases in practical scenarios.
- Identifying and addressing performance **bottlenecks** in the application, such as slow-loading pages or inefficient database queries.
- Actively participated in **Agile** development processes, including sprint planning, daily stand-ups, and retrospectives, to deliver iterative improvements to the e-commerce platform.
- Contributed to all phases of the **software development life cycle (SDLC)**, from requirements gathering to deployment.
- **Optimized** performance by targeting the slowest 20% of the code, adhering to the 80/20 rule and achieved **80%** improvement.

EXPERIENCE

SOFTWARE DEVELOPER at Applied Informatics

May 2022 – Current

- Utilized **Python** libraries for industry-specific data analysis, enabling informed decisions and actionable insights.
- Skilled in utilizing Python libraries such as **NumPy, Pandas, Matplotlib**, and **Scikit-learn** for data analysis and manipulation tasks.
- Proficient in writing unit tests using **Pytest**, a widely adopted testing framework in the Python ecosystem.
- Collaborating with other developers on shared codebases, resolving merge conflicts, and coordinating development efforts.
- Integrated **RESTful APIs** into the React application, enabling seamless communication with the backend for data retrieval and updates.
- Solving Debugging issues in both frontend and backend code to understand the root cause of the problem.
- Used **JavaScript** for Dynamic Page Functionality, popup screens, and user entry validations.
- Integrated third-party APIs and payment gateways into the **React Js**, ensuring secure online transactions for customers.
- Staying informed about emerging security threats and proactively addressing them through code updates or configuration changes.
- Participate in **code reviews** to ensure adherence to coding standards and best practices.
- Orchestrated **Docker** containers, ensuring consistency in development, testing, and production.
- Managed **Kubernetes** clusters, configuring nodes, optimizing performance and ensuring high availability for mission-critical applications.
- Implemented continuous integration and deployment pipelines using **Jenkins** to automate the build, test, and deployment.

FULL STACK DEVELOPER at EbizzInfotech

Jan 2019 - July 2021

- Used Python libraries Pandas, NumPy, and Matplotlib to **create charts** that display a patient's lab results.
- Utilized Django ORM for modeling and interacting with **PostgreSQL** and **MySQL** databases, ensuring efficient data storage and retrieval.
- Conducted thorough testing of **REST APIs**, including unit testing and integration testing, to validate functionality and identify potential issues.
- Utilized Django Debug Toolbar to identify and resolve performance **bottlenecks**, ensuring optimal application performance.
- Tuned database performance by optimizing **SQLAlchemy** queries, indexing strategies, and caching mechanisms.
- Created functions, triggers, views, and stored procedures using MySQL and PostgreSQL relational Databases.
- Executed cross-browser automation **testing** for web apps using tools like **Selenium** in conjunction with Python and Node.js test frameworks.
- Developed **automation** scripts using **TypeScript** and shell scripting to streamline repetitive tasks such as deployment, testing, and monitoring of the e-commerce platform.
- Applied **machine learning** for predictive analytics in inventory management, minimizing stockouts and reducing overstock situations.
- Integrated CI/CD with version control systems such as **Git**, automating the deployment process triggered by code changes.

EDUCATION

MS in Computer and Information system from New Jersey Institute of Technology

BE in Mechanical Engineering from Gujarat Technological University