SHUBHAM KHIRWADKAR

shubhamkhirwadkar@outlook.com | +1-(972) 799-5914 | [LinkedIn](#) | [Github](#) | [Portfolio](#)

PROFILE OVERVIEW

Experienced Software Engineer with a proven track record in backend development and a focus on designing web applications using Java Spring and implementing REST APIs with Python Django. Demonstrates success in resolving critical bugs swiftly and optimizing performance for high-volume user loads. Keen to apply strong software engineering skills to develop scalable solutions as a Backend Engineer.

EXPERIENCE

Benefit Harbor, LP - *Software Engineer*   *July 2023 - Present*

- Developing an innovative self-service web application for employees to manage and enroll in insurance products using Java Spring and jQuery, streamlining the enrollment process and enhancing operational efficiency, resulting in a 70% reduction in employer's time spent enrolling employees in benefits.
- Designing an enrollment feature that dynamically manages prerequisites for insurance products offered by over 20 carriers, each providing more than 40 different types of insurance, ensuring a seamless and efficient enrollment process.
- Identifying and resolving critical bugs in products swiftly to minimize customer impact and expedite issue resolution, ensuring seamless customer experience and operational continuity.

Coreview Systems Pvt Ltd - *Software Engineer*   *November 2019 - July 2021*

- Designed and developed a Python Django web framework and REST APIs using Django ORM, enabling seamless operations, which managed a high-volume user load exceeding 200,000 users, optimizing performance and reliability.
- Spearheaded a PoC on Apache Airflow by implementing efficient database synchronization, significantly increasing data consistency and reducing operational time by 67%.
- Implemented efficient application deployment on AWS by implementing CI/CD pipelines with Git and Jenkins, resulting in a 17% reduction in build time and optimizing the development lifecycle.

Cognizant Technology Solutions - *Software Engineer*   *July 2018 - October 2019*

- Planned a comprehensive testing strategy, executed story test preparations, and conducted bug reporting utilizing Agile methodology while collaborating seamlessly with a team of 20+ developers.
- Enhanced testing coverage to 76% by integrating automation test scripts into the Regression Suite for API testing, leveraging Selenium and Java to streamline and optimize testing processes.

TECHNICAL PROFICIENCIES

Python | Java | JavaScript | HTML | CSS | PostgreSQL | MySQL | SQLite | MongoDB **|** Django | Flask | Spring | React | JQuery | Selenium | Appium | Maven | Swagger | REST APIs | JIRA | Docker | Git | Jenkins | Apache Airflow | AWS | SVN | OAuth | Microservices | Agile Methodology | Waterfall | JSON | Visual Studio | Eclipse | PyCharm | Postman | Linux

PROJECTS

Ecommerce Price Comparator   **2024**

- Developed a website using Python Django to consolidate and compare product prices from Amazon, Walmart, and eBay, delivering a unified platform that enhances user experience and facilitates comprehensive price comparisons.

Sentiment Analysis Twitter   **2022**

- Pre-processed Twitter data to build a robust analysis corpus using the NLTK module, ensuring high-quality data for subsequent in-depth analysis and insights.
- Engineered LSTM and NLP models to classify tweet sentiment with 79% accuracy, enhancing analysis precision and insight generation from large-scale Twitter data.
- Integrated the Tweepy API to fetch live tweets on targeted topics, executing real-time sentiment analysis and producing detailed visualizations to yield comprehensive insights.

EDUCATION

Master's (MSc) in Computer Science - *The University of Texas at Arlington*   *August 2021 - May 2023*

Bachelor's (BTech) in Computer Engineering - *Vishwakarma Institute of Technology, Pune*   *August 2014 - May 2018*

INTERNSHIPS

Tech Mahindra - *Software Engineer*   *February 2018 - May 2018*

- Engineered custom Alexa Skill for sales and realtor assistants, utilizing Lambda function, DynamoDB, and S3 for robust data handling and storage, significantly enhancing system performance.