

SUMMARY

A product-driven Software Engineer with 5 years of experience in designing and deploying backend applications, intuitive UI/UX and automation testing. A proven problem-solver, I excel at optimizing applications and ensuring high code quality through rigorous code reviews and collaborative teamwork. I am passionate about cybersecurity and delivering well-engineered solutions.

WORK EXPERIENCE

Software Engineer, Benefit Harbor LP | Plano, TX

July 2023 - Present

- Developed the core business logic for an insurance broker application using Spring Boot and Hibernate, creating resilient RESTful web services to manage complex insurance data and ensure secure data storage.
- Created a comprehensive and automated reporting system for internal use and for external clients, including payroll, invoices, and employee insurance details, which increased operational efficiency for employers and carriers by 50%.
- Reduced API latency by 30% after optimizing data queries and adding indexes to the database to improve overall response speed.
- Supported and maintained a large-scale, monolithic insurance application, working with legacy technologies including JSP, Servlets, JPA, and jQuery to handle new feature requests and bug fixes.
- Collaborated effectively within a cross-functional Agile team, participating in daily stand-ups, sprint planning, and thorough code reviews to maintain high code quality and ensure successful sprint delivery.
- Trained the junior employees of the company to help them understand the application and its and coding standards.

Software Engineer, Coreview Systems Pvt Ltd | Pune, MH

Nov 2019 - July 2021

- Architected and implemented a backend framework from scratch using Python and Django, which was foundational to designing and delivering reliable RESTful APIs.
- Developed a robust ETL solution using Apache Airflow and successfully demonstrated its effectiveness in a Proof of Concept (PoC), resolving data issues to achieve a 67% increase in efficiency and 100% data consistency.
- Engineered and automated CI/CD pipelines using Git, Docker, and Jenkins for seamless application deployment on AWS, achieving a 100% deployment success rate.
- Collaborated directly with the client to secure and analyze application requirements via Agile methodology, actively participating in a 10-member team to discuss progress, refine deliverables, and define the subsequent plan of action.
- Demonstrated ability to provide technical mentorship and guidance on QA practices, contributing to the growth and development of junior team members.

Programmer Analyst, Cognizant Technology Solutions | Pune, MH

July 2018 - Oct 2019

- Developed and engineered comprehensive test strategies based on documented requirements, ensuring end-to-end system flow validation and maximizing test coverage.
- Designed and executed API Automation Test scripts using Java and Selenium, integrating them into the regression test suite to increase overall test coverage to 87%.
- Executed core testing cycles, including developing and executing manual test cases, reporting defects, and creating SQL queries to verify data integrity directly within the MySQL database.
- Collaborated with a 22-member team throughout the development lifecycle to manage releases and successfully deploy all sprints on schedule under an Agile framework.

PROJECTS

Phishing Email Detector

- Designed and implemented a complete text classification pipeline, employing TF-IDF Vectorization for efficient keyword extraction and training a RandomForestClassifier to successfully categorize emails as legitimate or fraudulent.
- Implemented a robust prediction endpoint where incoming emails are first vectorized using the saved TF-IDF Vectorizer and then classified instantly by the saved model to return real-time phishing alerts.

Port Scanning

- Created a multi-protocol TCP/IP reconnaissance tool in Python, integrating advanced stealth methods (SYN, XMAS, FIN, and NULL scans) to accurately test firewall evasion techniques and determine precise port status.
- Automated the network auditing pipeline by implementing high-speed Ping and Sweep scans alongside DNS resolution, generating detailed, actionable log reports on host availability and port states (Open/Closed/Filtered).

Sentiment Analysis Twitter

- Developed and engineered a sentiment analysis model using Natural Language Processing (NLP) and a Neural Network LSTM architecture in collaboration with a two-person team, achieving a final classification accuracy of 79%.
- Designed, cleaned, and processed raw Twitter data for model training, and subsequently integrated the final sentiment model with the Twitter API (using Tweepy) to perform real-time sentiment analysis on live social media feeds.

SKILLS

Languages & Web Technologies: Python, Java, JavaScript, Bash, React, jQuery, HTML, CSS, Django, Flask, Spring Boot, JavaEE, Servlets, JSP, REST APIs, JSON

Cybersecurity & Analysis: Splunk, Wireshark, Risk Assessment and Management, Vulnerability and Threat Assessment, Incident Response Lifecycle, CIA Triad

Cloud & DevOps: AWS, Docker, Jenkins, Git, GitHub Action, Apache Airflow, Maven

Databases: PostgreSQL, MySQL, SQLite, MongoDB

Testing & Tools: Selenium, Appium, TestNg, PyTest, JUnit, JIRA, Swagger

Operating Systems: Linux, Windows

EDUCATION

The University of Texas at Arlington(GPA: 3.67/4)

Arlington, TX

Master’s (MS) in Computer Science

May 2023

Vishwakarma Institute of Technology

Pune, MH

Bachelor’s (BTech) in Computer Science

May 2018

CERTIFICATIONS

- Google Cybersecurity
- Microsoft Technology Associate Security Fundamentals

Sep 2025

Apr 2017