

SHUBHAM AGARWAL

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SUMMARY

- A highly motivated professional with extensive experience in designing, testing, and implementing scalable applications. Proven track record of increasing efficiency and reducing manual efforts through cross-functional collaboration
- Possesses in-depth industry experience in IT and advanced skills in developing algorithms using Python, Java, Kafka, GraphQL, Kubernetes, and Buildkite. Known for delivering high-quality code and highest code contributor in the organization

WORK EXPERIENCE

- Geico, Senior Software Engineer** Nov 2023-Present
- Spearheading the development of robust, enterprise-level applications aimed at streamlining the claims resolution process, resulting in a remarkable reduction of claim processing time from 10 days to a mere 5 hours
 - Designing an Activity Management System tailored to automate the requisite activities integral to the claims processing workflow

- Wayfair, Senior Software Engineer** Aug 2021-Oct 2023
- Developed large-scale applications that can handle almost six-fold increase in volume, specifically tailored for the international supply chain industry
 - Designed an international cross-docking system with a 95% strike-through rate to implement Geo-Sort, a technology aimed at saving \$1 billion by reducing long zone shipments and lowering incidence rates
 - Successfully implemented a forward position guidance algorithm that increased the spread of warehouses from 2 to 6, thereby improving overall efficiency and making sure item is present close to the end user
 - Contributed to a significant increase in the rate of acceptable auto-generated container load plans from 3% to an impressive 95%
 - Eliminated the manual creation of Kafka schemas by developing a Kafka schema generator from application objects, streamlining the overall development process
 - Maintained a legacy framework developed using Python, Kafka, PHP, React, and MySQL for container optimization, ensuring that it continues to meet the needs of the business while remaining secure and reliable

- Dassault Systemes, Software Engineer Intern** Jan 2021-May 2021
- Developed 3D simulation software to simulate real-life use cases like the spread of the Covid-19 virus inside the car
 - Developed test plans and test cases for PowerDelta application under Simulia using Java
 - Performed automation testing using Froglogic Squish and reported bugs using JIRA

- Accenture, Software Engineer I** Aug 2016-Jul 2019
- Successfully led a team of six in the development of a Page Object Model framework, resulting in an annual cost savings of approximately **\$189,000**. The project involved converting a licensed UFT framework into an open-source automation solution in Selenium using Java, which improved the efficiency and reliability of automated testing
 - Performed statistical analysis of Jenkin jobs in the CICD pipeline by developing an interactive Chatbot using Java. This innovative solution saved valuable time and enhanced team collaboration, leading to improved overall project performance
 - Developed a Blue Prism's Robotic Process Automation framework using Python, resulting in a substantial savings of **60 working hours** per month. This framework automated the data quality check reports of **1.5M+** records, significantly reducing manual efforts and improving accuracy

EDUCATION

- Master of Science in Computer Science** Aug 2019-May 2021
New Jersey Institute of Technology, New Jersey, USA
- Bachelor of Engineering in Electronics and Communications** June 2012-May 2016
Nagpur University, Maharashtra, India

TECHNICAL SKILLS

Programming: Python, Java, nodejs, Javascript, PHP, C, SQL

Data management: MongoDB, Elasticsearch, BigQuery, GCP, GraphQL, MySQL, SQL Server, Oracle SQL, Redis

Cloud Platforms: Microsoft Azure, Amazon Web Services (AWS)

Tools: PyCharm, Kafka, Buildkite, PagerDuty, Eclipse, Selenium, Blue Prism, SAP Crystal Report, JIRA, HP Quality Center, GIT, Jenkins, Saucelabs, Jupyter, Spyder, Squish, PowerDelta, Rally

Expertise: Data Structures and Algorithms, Version Control, Automation Testing, API Development, Agile, SDLC

PROJECTS

- United Parcel Service (Master's Capstone Project), Software Developer** Sep 2020-Dec 2020
- Created a chatbot for provisioning and deploy windows in a device by using Microsoft Bot Framework and Java
 - Predicted meaning and extracted relevant information from user response using Microsoft Azure's Cognitive Service
 - Developed backend Rest API to connect Microsoft Bot with CouchDB and connect it to UPS server