

RISHABH RASTOGI

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EDUCATION

Masters (Computer Science) , Virginia Tech, Blacksburg, VA, USA	2021 - 2023
Bachelor of Technology (Electronics and Communication) , KIIT University, Orissa, India.	2012 - 2016

SKILLS

Technical Skills: JAVA, C#, Python, SpringBoot, MicroServices, .Net, SQL, SSRS, Azure, Jenkins, Prometheus, Jaeger, Splunk, Redis, Rabbit-MQ, Appium, Selenium, Mockito, Junit, GIT, Postman.

Industry Skills: Distributed Tracing, Test Driven Development, Backend Development, Metrics, Software Design.

WORK EXPERIENCE

TESLA, Inc. Software Development Engineer Intern.	May 2022 - Aug 2022 <i>Bellevue, WA, United States</i>
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- Interned with the PAYX team for 14 weeks. The team handles all of TESLA's consumer-facing payment transactions. Owned the development of connected microservices using JAVA SpringBoot.
- Helped the team maintain existing microservices, integrate with different third-party payment gateways like Stripe and Adyen, and debug payment-related consumer-facing issues.
- Worked with a stream of asynchronous payment data using Rabbit MQ - a queue-based message broker - to push message "Notifications" from payment processors using a queue to different TESLA's listener services.
- Utilised SPLUNK for logging and creating business specific alerts, reports, and dashboards; Prometheus for monitoring metrics/health of services and integrated Jaeger for 16 microservices under our team for distributed tracing.
- Designed and developed a solution to version SPLUNK-based alerts onto GIT and integrated it with the Jenkins pipeline. Solved the problem of non-judicious modification of SPLUNK alerts via UI.
- Automated business-critical python based mobile app and backend test cases.

Publicis Sapient Software Development Engineer - II.	May 2019 - Jul 2021 <i>Bangalore, KA, India</i>
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- Fashioned a cloud based Energy Trading and Risk Management application with web service, code, UI, Database, and SQL development.
- Modelled efficient SQL stored procedures, functions, and triggers for complex business requirements.
- Configured Azure pipeline (DevOps automation) and helped minimize deployment costs in the project by 45%.
- Earned certification on Microsoft Azure (AZ-900).

Accenture Software Development Engineer - I.	May 2016 - May 2019 <i>Bangalore, KA, India</i>
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- Orchestrated the re-platform of a fin-tech application from the legacy VB6 to C# .Net MVC architecture with a team of 18 people. Saved on estimated costs by approximately 28 % with near zero-defect delivery.
- Built a windows application used by AT&T staff and automated the recurring manual developmental tasks, saving the client up to 80 % of their annual costs.
- Recognized with the rare Accenture Celebrates Excellence award in two consecutive years (2017 and 2018).

PROJECTS

Search VT (Information Retrieval) Developing a search engine using Transformers and FAISS that crawls Virginia Tech's web resources effectively using a simple user query as an input.