

Yuvraj Verma

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EDUCATION

Chitkara University

Bachelor of Engineering, Computer Science, CGPA: 9.82

Punjab, IN

Jul. 2019 - Jul. 2023

WORK EXPERIENCE

Prophecy.io

Software Developer Engineer in Test

Bangalore, IN

Sep. 2023 - Present

- Enhanced backend and frontend frameworks (**REST, GraphQL APIs, WebSockets**, Spark, Scala, Python, SQL, Airflow, Databricks, and Snowflake) to enhance system performance and reliability.
- Optimized test scripts, cutting test suite execution time from 2 hours to **35 minutes**.
- Led end-to-end feature delivery, including test planning, execution, and automation with **Playwright, Selenium, Pytest, RestAssured, TestNG**, Junit, Testrails, and Jenkins.
- Improved regression suite, achieving high defect closure rates and identifying **800+ bugs**, including **270+ P1 issues**.
- Worked with cross-functional teams to enhance test infrastructure and ensure comprehensive testing coverage.

Harness.io

Software Developer Engineer in Test

Bangalore, IN

Apr. 2022 - Sep. 2023

- Delivered end-to-end feature testing, increasing efficiency and quality.
- Developed and optimized 75% of API automation, reducing customer-reported bugs by 23%. Facilitated regression testing, maintaining a 30% defect closure rate within tight timelines.
- Engineered and deployed 11 POCs for new features using Java automation.
- Resolved Kubernetes-related issues on GCP, reducing deployment time by 65% and deployment-related problems by 25%.
- Utilized monitoring and observability tools like DataDog, AppDynamics, NewRelic, Elastic Search, Sumologic, GCP, Kubernetes, and Splunk.

TECHNICAL PROJECTS

Alfred | [Hack Week 23](#) | Python, Jupyter Notebooks, Open AI

Apr. 2023

- Developed 4 Python APIs utilizing **OpenAI's API**, simplifying health source setup, **deployment verification**, and service health monitoring.
- Designed APIs to provide contextual insights, **recommend tailored service level objectives** (SLOs), and enhance SLO onboarding **with critical metrics and intuitive queries**.

Dev Circle | [Live Project](#) | React.js, Redux, Styled Components, Firebase, Reactplayer

May. 2021

- Built a **real-time social media application** using React.js, Redux, and Firebase, enabling seamless **real-time data fetching and display**.
- Integrated authentication with Google OAuth and Firestore, ensuring reliable and authorized sign-ins.

Algorithm Visualiser | [Live Project](#) | Node.js, Express.js, JavaScript

Nov. 2020

- Developed a node.js project utilizing express.js to **visualize algorithms** like Dijkstra, A* Search, Greedy, BFS, and DFS **with custom obstacles**.
- Enabled users to **modify visualization speed**, provided an interactive **GUI**, and implemented various obstacle **patterns for algorithm testing**.

LEADERSHIP EXPERIENCE

- Mentored and guided** software engineering job applicants, resulting in **successful placements** at top-tier companies and improved technology and communication skills.
- Achieved high rankings in **Learn To Earn Cloud Challenge** and **CodeChef June Challenge**, showcasing expertise in **setting up GCP Labs** and **competitive programming skills**.

SKILLS & CERTIFICATIONS

- Languages:** C++, Python, Java, C, HTML, CSS, JavaScript, SQL
- Technical Skills:** GitHub, GCP, AWS, MongoDB, Firebase, Reacts.js, RestAssured, JUnit, Selenium, TestNG, Jenkins, Docker, OpenCV, Postman, CI/CD, IntelliJ IDE, PyCharm, VMware, Jupyter Labs
- Certifications:** [The Bits and Bytes of Computer Networking](#) (Google 2020), [Crash Course on Python](#) (Google 2020), [Information Security](#) (University of London 2020), [Introduction to Web Development](#) (University of California, Davis 2020) and [REST and API Test Automation](#) (Educative Inc., 2022)