Yuvraj Verma

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EDUCATION

Chitkara University **Punjab, IN**
Bachelor of Engineering, Computer Science, CGPA: **9.82** *Jul. 2019 - Jul. 2023*

WORK EXPERIENCE

Prophecy.io **Bangalore, IN**
Software Developer Engineer in Test *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 **Bangalore, IN**
Software Developer Engineer in Test *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)