Aryan Maheshwari

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Technical Skills

Languages & Scripting: Java, Python, JavaScript (ES6+), TypeScript, HTML5, CSS3
Frameworks & Libraries: React.js, Node.js, Express.js, Spring Framework, REST APIs, Jest, JUnit, Selenium (familiar), Swing
Backend & Databases: MySQL, CockroachDB, relational database design
Tools & Platforms: Ansible, GitHub, GitLab, Heroku, AWS, GitLab CI/CD, Jira
Testing & Automation: Unit/functional testing, test strategy development, CI/CD pipelines, automated deployments
Operating Systems: Windows, MacOS, Linux
Other Skills: Agile development, cross-functional collaboration, cloud systems, scalable architecture, production support, AI assisted front end development using ChatGPT, Gemini, Claude LLMs, OpenAI
World Languages: English (fluent), Hindi, Urdu, Spanish, Portuguese

Work Experience

Full-Stack Software Developer *Veeva Systems – Pleasanton, CA* **Aug 2022 – Present**
- Designed, built, tested, and delivered scalable front-end solutions powering clinical trial analytics for global clients, leveraging **ReactJS**, **TypeScript**, and REST APIs.
- Led development of the **Bulk Lock and Freeze** feature, managing datasets with 1M+ subjects, delivering reliable, performant UIs integral to core analytics workflows.
- Spearheaded migration of critical infrastructure from Backbone.js to React, standardizing front-end development across teams for long-term scalability and maintainability.
- Improved engineering standards by increasing unit test coverage from 40% to 90% using **Jest**, leading to significant improvements in product quality and deployment reliability.
- Refined reusable component architecture, **optimizing render performance by 50%** and improving maintainability of the codebase for future analytics products.
- Developed real-time collaborative interfaces **supporting large-scale data uploads** (up to 1TB), focusing on system resilience and UI responsiveness.
- Collaborated cross-functionally with product management and design teams in iterative Agile cycles, presenting designs, participating in code reviews, and mentoring junior engineers.
- Drove global reach through **automatic language translation** across multiple markets (Spanish, Portuguese, French, Mandarin), enhancing accessibility.
- Operated in a **shared testing model**, contributing to functional tests, CI/CD pipelines, and test strategy discussions to improve release velocity and code health.

Software Developer Co-op *IBM – San Jose, CA* **May 2021 – Dec 2021**
- Supported development of cloud-based internal platforms, contributing to both backend automation and frontend process visualization.
- Automated key operational processes using **Node.js, Ansible, and REST APIs** to improve scalability and system reliability for internal analytics products.
- Collaborated with DevOps teams to modernize deployment pipelines, ensuring consistent environment provisioning for scalable, testable systems.
- Expanded skill set in **cloud technologies (AI, Cloud Computing),** supporting innovative backend systems tied to analytics and reporting platforms.

Education

BS Computer Science, San Jose State University, San Jose, CA **Aug 2019 - Aug 2022**
Studied Java, OOP Concepts, Data Structures, Unit Testing, Artificial Intelligence, Machine Learning, Python, Game Studies, Bioinformatics