Harshvardhan Sanjay Dubey

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SUMMARY

Experienced Full-stack Software Engineer with over 3 years of professional proficiency in Angular, Java, Oracle SQL, SQA, and CI/CD, and a proven track record of delivering client-centric solutions.

EDUCATION

Carnegie Mellon University   **Pittsburgh, PA**
Master of Information Systems Management | **GPA**: 3.81/4   *December 2023*
Coursework: Data Structures, Consulting, Economic Analysis, Product Management, Agile Methodologies, IT Project Management, Managing Analytic Projects, Data Focused Python, IT Business Leadership

University of Mumbai   **Mumbai, IN**
Bachelor of Engineering, Information Technology | **GPA:** 8.47/10   *May 2019*
Honors: Outstanding Performance Award 2019, Ranked first in a class of 80
Coursework: Applied Mathematics, Advanced Database, Object Oriented Programming Methodology, Data Mining & Business Intelligence, Distributed Systems, Software Project Management

SKILLS & CERTIFICATIONS

Technical: Java, JavaScript, C, Python, UNIX, Chai.js, HTML, CSS, Bootstrap, Spring Boot, MVC, Hibernate, REST, Angular, SQL, PL/SQL, Cypress, Postman, SOAP UI, Jira, Git, Bitbucket, CI/CD, Kubernetes, Blockchain
Certifications: Microsoft Technology Associate: Introduction to Programming Using Java, Microsoft Technology Associate: Security Fundamentals, Scrum Inc. Registered Scrum Master

WORK HISTORY

The Jackson Laboratory   **Remote**
Student Intern   *May 2023 - August 2023*
- Streamlined the deployment process by engineering CI/CD pipelines to integrate development and testing
- Developed and executed API test suites in Postman, including load testing, resulting in a 95% success rate
- Assisted in developing Terraform-based cloud standards, leveraging a GCP backend to deploy an IaC
- Designed Cypress frontend tests to ensure optimal user experience and achieve 100% functional accuracy

Larsen & Toubro Infotech   **Mumbai, IN**
Software Engineer   *August 2019 - July 2022*
- Engineered full-stack applications using Advanced Java, Web Development technologies stated in the user story
- Standardized a REST-based data catalog consisting of 10M+ records in Oracle from Collibra Metadata
- Planned releases to higher environments using CI/CD tools like Jenkins, Harness, and RLM
- Featured in L&T Infotech (July 2021) – Genesis Q1 Newsletter for being awarded the 'Pat on the Back'

ACADEMIC PROJECTS

Blockchain Implementation: Distributed Systems - *Student, Carnegie Mellon University*
- Assembled a blockchain implementation resulting in a robust and cohesive system with 100% accuracy
- Devised functions for seamless block addition, hash rate calculation, block retrieval, chain validation, and swift repair when needed, resulting in a 30% efficiency boost
- Orchestrated effective proof-of-work computation, ensuring compliance with specified difficulty levels

SpyD: An automated security tool - *Developer, Project Lead, University of Mumbai*
- Led a team of 4 developers in creating a device for up to 5 types of penetration tests in a network
- Reduced the possibility of successful attacks by 50% by notifying network owners about the vulnerabilities
- Published a research paper titled '[SpyD: An Automated Security Tool](#)' in the Journal of Emerging Technologies and Innovative Research ISSN:2349-5162, Vol.6, Issue 4, page no.724-728, April 2019

Bipartisan Policy Center - *Project Manager, Carnegie Mellon University*
- Spearheaded the project with a detailed Work Breakdown Structure, yielding a 20% increase in efficiency
- Managed Gantt charts and Jira, resulting in a 15% reduction in project timeline deviations as Scrum Master
- Achieved 100% project goal alignment, contributing to a 25% increase in overall team productivity