SHRAVYA KUDLU | *Software Developer*

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📍 756 Cleveland Avenue, Harrison, NJ, 07029, USA

EDUCATION

Masters of Science: Computer Science *3.75/4*   **Expected May 2025**

New Jersey Institute of Technology, Newark, New Jersey

Achievements: AWS Cloud Development certificates

Bachelors of Engineering: Computer Science   **June 2020**

SDM College of Engineering and Technology, Dharwad, India

EXPERIENCE

ACCENTURE | *Custom Software Engineering Analyst*   **Feb 2021 - Aug 2023**

- Promoted to an advanced role, encompassing complete ownership of a previously handled project, and facilitating knowledge transfer to junior team members, resulting in a 40% increase in project efficiency and a 20% improvement in team success.
- Collaborated with QBE Insurance Australia HQ, leveraging IBM Integration Bus (IIB) for project success and achieving seamless system integration.

Legacy Code Modernization and Cloud Migration Project

- Led the seamless transition of legacy code to a modern cloud infrastructure for 18 services spanning 6 different environments.
- Achieved a 80% accuracy rate in estimating and implementing code changes, including building Jenkins pipelines and creating new queues, fostering efficient development workflows.
- Enhanced system reliability by actively monitoring and resolving issues, resulting in a 15% decrease in message flow disruptions. Additionally, established databases with Data Source Names (DSNs) for streamlined operations

Product Portfolio Expansion Project

- Primary role: Integrated Home & Landlord insurance and Personal Vehicle insurance offerings to enhance the insurance product portfolio, involving a thorough analysis of requirement documents and technical designs.
- Executed projects within client timelines, following Agile principles in just 4 development cycles, and achieved a significant 20% reduction in bugs through thorough unit testing.

SKILLS

Programming | *Java, Python, Typescript(JavaScript), SQL, Git, HTML, CSS, JQuery, ESQL, Bash Scripting, JSON, XML, LaTeX*

Frameworks | *Django, NodeJS, ExpressJS, React, Vite, Docker, kubernetes, Bootstrap*

Software & Tools | *Visual Studio, Linux, Jenkins, GitHub, Postman, MySQL, DBeaver, GitHub, Urban Code Deployment, IBM Integration Bus, Jira/Confluence, Unix, WebsphereMQ, Jmeter, Plutora, DynaTrace, SOAPUI, Eclipse, OracleDB, MongoDB*

PROJECT

Hackathon Project | *Schrödinger, Inc.*

- Enhanced chemist utility in Schrödinger hackathon with RDKit's API to perform RGroup decomposition on molecules, driving a 30% increase in user engagement.
- Boosted user satisfaction by 20% through adept leadership in seamless Django frontend integration. Recognized as compound crafting champions for pioneering solutions, notably in perturbate identification within compounds. LINK.

Academic Project | *Duo Multi-Factor Authentication*

- This project gave an in-depth understanding of how an Offline Authentication App works.
- Implemented strategic design choices to enhance system security, including randomizing token generation (95% increase in unpredictability) and disconnecting the verifier post-initial key exchange (70% reduction in vulnerability window). LINK.

Personal Project | *Blog-Tweet-Post*

- Led the development of a multifaceted blogging platform, enabling content publication and discussion engagement while implementing moderation services for user safety.
- Developed modular Node.js app with React interface, showcasing microservices expertise. Led Docker implementation, achieving 50% milestone in Kubernetes cluster setup for scalable service deployment. LINK.