Laukik Pathak

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Skills

- **Methodologies**: SDC, Agile, Waterfall
- **Languages**: Python, JavaScript, SQL, PL/SQL, Java, C++, PHP
- **IDEs**: Visual Studio Code, Jupyter Notebook, PyCharm
- **Front-End Frameworks**: React.js, Redux, Angular.js, Bootstrap, HTML5, CSS3, Tailwind
- **Back-End Frameworks**: Django, Flask, CherryPy, Web2py, Restful API, Node.js
- **Python Libraries**: NumPy, Pandas, Matplotlib, Seaborn, SciPy, Sci-kit Learn
- **Cloud Technologies**: AWS, Azure, GCP, DataBricks
- **Database**: MySQL, PostgreSQL, SQL Server, MongoDB
- **Version Control Tools**: Git, GitHub, GitLab
- **Project Management Tools**: Jira
- **Operating Systems**: Windows, Linux, Mac
- **Core Competencies**: System Design, Software Development, Design Patterns, Algorithms, Automation, Full Stack Engineering, Systems Engineering, Hardware Testing, Software Testing, Medical Device Experience
- **Mobile Platforms**: iOS, Android

Work Experience

Pfizer | *Software Engineer*   **Jan 2024 - Present**

- Engineered server-side logic and RESTful APIs using Django and CherryPy while applying systems engineering principles to convert business requirements into scalable, integrated solutions.
- Optimized front-end performance with React.js and Redux, achieving a 25% improvement in load times and demonstrating effective cross-functional collaboration to meet stringent system integration targets.
- Developed dynamic user interfaces with HTML5, CSS3, and AJAX, integrating jQuery to enhance interactivity and support user requirement translation, aligning with system-level testing practices.
- Streamlined data analysis using Python with NumPy, Pandas, and Matplotlib, reducing processing time by 40% and contributing to functional analysis and technical planning efforts.
- Managed AWS and GCP cloud deployments to enhance resource utilization and system scalability, ensuring robust relational database performance with MySQL, PostgreSQL, and SQL Server in a manner consistent with hardware and software testing standards.

Infosys | *Systems Engineer*   **Jan 2021 - Jul 2022**

- Enhanced business solutions by implementing optimized JavaScript algorithms with a focus on systematic systems engineering and precise requirements allocation.
- Collaborated in designing a scalable distributed system on AWS, managing a 40% increase in traffic and applying technical planning and integration testing principles to meet high reliability standards.
- Refined SQL queries and streamlined the database schema in a high-scale MySQL environment, reducing query time by 35% and supporting the overall systems' performance through effective functional analysis.
- Engineered web applications with HTML/CSS, React.js, and native JavaScript, utilizing established design patterns to improve customer verification processes and align with system integration and validation requirements.
- Contributed to continuous improvement through active participation in code reviews and agile sprint planning with Jira, fostering cross-functional collaboration and adherence to defined system-level testing protocols.

Metasystems | *Software Engineer*   **May 2019 - Dec 2020**

- Worked within the Waterfall methodology, ensuring complete documentation and timely delivery of project milestones.
- Developed and maintained web applications with Python and Flask, implementing RESTful APIs that improved backend functionality and facilitated a 30% increase in data exchange efficiency.
- Exploited Angular.js and Bootstrap for front-end development, creating responsive user interfaces that improved user engagement by 30%.
- Designed and optimized databases using SQL and PL/SQL, ensuring efficient data retrieval and storage across MongoDB and traditional SQL databases.
- Leveraged Databases and Azure for cloud solutions, enhancing application performance and scalability while managing deployments efficiently.
- Utilized SciPy and Scikit-learn to implement machine learning algorithms to generate data-driven insights while leveraging Git for version control to enhance collaboration and streamline development workflows.

Education

Arizona State University | *Master of Science, Information Technology* (GPA: 3.95)   **Aug 2022 - May 2024**

Savitribai Phule Pune University | *Bachelor of Engineering, Electronics and Telecommunication*   **Apr 2020**

Certifications

- AWS Certified Solutions Architect - Associate
- AWS Academy: Cloud Security Foundations