

# ELDHOSE JOY

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## SKILLS & COMPETENCIES

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Python | Numpy | Pandas | Github | Django | Nginx | Xpra | ORM | SQL | HTML | CSS | JavaScript | Debugging | Watchdog | RESTful API design | Integration testing | Code optimization | Containerization (Docker) | Object-oriented programming | Automated testing (Pytest) | Code review |

## EXPERIENCE

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### *Tenxer Labs, Bengaluru • Sr. Software Engineer*

*(05/2023) - Present*

- Leveraged **Raspberry Pi** to connect with ICs, sensors, baseboards, and oscilloscopes, demonstrating semiconductor chip functionality on a webpage.
- Employed **UV4L** for 2+ streams, **Xpra** for tunneling, and **Nginx** for reverse tunneling, along with **VM** and **LXC** for remote development.
- Conducted **daily testing** and QA checks of boards, ensuring 100% reliability and performance of hardware components, while utilizing strong **debugging** skills to identify and resolve **root cause** issues.
- Resolved 80+ **Git** issues related to boards, maintaining code integrity and facilitating smooth development workflows.
- Translated client and business requirements into clearly articulated technology solutions, ensuring 100% alignment with project goals and client expectations.
- Mentored junior developers to enhance their Python expertise, fostering growth and improving team proficiency.
- Enforced industry standards for Python development and version control, ensuring code quality and efficient collaboration.

### *Techmindz NDZ, Kochi • Software Engineer*

*(06/2022) - (02/2023)*

- Adapted Python libraries such as **NumPy** and **Pandas** for data analysis and manipulation, enhancing 40% more data processing capabilities.
- Formulated **Tkinter** to create custom **GUIs** for interacting with various operating systems and navigating multiple software, improving user interaction speed by 40%.
- Developed and maintained **REST APIs** using **Python** frameworks like **Flask** and **Django**, ensuring 99% robust and reliable web services.
- Maintained comprehensive technical **documentation** for Python projects, ensuring clarity and ease of use for developers and stakeholders.

### *Lavino Tech, Kochi • Software Engineer*

*(11/2019) - (02/2021)*

- Constructed web applications using **Python** and **Django**, increasing 20% higher performance and scalability.
- Incorporated **Postman** for API testing and integration, enhancing efficiency of web services by 15%.
- Implemented **SQL databases** to perform data management and optimization tasks to support application functionality.
- Orchestrated front-end components using **HTML**, **CSS**, and **JavaScript**, creating 100% responsive and user-friendly interfaces.

### *Soften Technologies, Kochi • Jr. Software Engineer*

*(08/2018) - (10/2019)*

- Developed and delivered a high-performance, scalable Java-based application, ensuring robust functionality and 100% timely delivery.
- Implemented new features in existing Java APIs, enhancing functionality and user experience.
- Reduced 150+ software defects and improved application performance through bug resolution, extensive testing, and code optimization.

## EDUCATION AND CERTIFICATIONS

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***Mahatma Gandhi University, Kerala • B.Tech in Computer Science and Engineering***

*(05/2018)*

## CERTIFICATIONS

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- Python Django

*(08/2022)*

- Java Learning

*(11/2018)*