



JOHN RAPPY KARIPPERRY

CONTACT

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[LinkedIn](#) | [GitHub](#)

PERSONAL DETAILS

Date of Birth: 13.11.1993

Nationality: Indian

Family Status: Married

HOBBIES

Traveling
Gaming
Photography

Driving License: A, B class

PROFESSIONAL OVERVIEW

Full-Stack Developer with 6+ years of experience in scalable backend systems, modern web applications, and DevOps. Skilled in Python, Django, JavaScript, and Java, with a proven track record in automation and software performance

WORK EXPERIENCE

SOFTWARE ENGINEER

EDAG Engineering GmbH | | Wolfsburg, Germany

May 2022- Present

- Serve as lead backend developer for SAFIR, a web application built with Django/FastApi REST (backend) and React (frontend). Adopted an agile methodology using Jira and Git. Implemented CI/CD pipelines and Docker containerization. Enable data visualization and management using NumPy, Matplotlib supporting multi-file import/export tailored to user requirements. Integrate ELK for log data analysis. Focus on clean code and OOP principles.
- Independently developed a Python-based automation tool using tkinter and openpyxl to optimize Excel workflows. Enabled users to upload an Excel file from Canalyzer, input additional data through a custom interface, and generate a tailored report in Excel with a single click, improving efficiency by automating repetitive processes.
- Contributed to software testing for the ELF Adaptive project by writing test specifications and designing both positive and negative test cases derived from system requirements, utilizing Robot Framework to ensure software quality and reliability.

WORKING STUDENT (SOFTWARE DEVELOPER)

Siemens Mobility | Braunschweig, Germany

Feb 2019- Feb 2022

- Developed a live dashboard for the railway system using PHP, JavaScript, HTML, CSS, and PostgreSQL.
- Successfully executed a data migration project from SQLite to PostgreSQL.
- Configured a highly available three-server cluster using Pacemaker and Corosync, establishing a master-slave architecture. Integrated multiple services and managed database migration from SQLite to PostgreSQL, ensuring seamless performance and reliability.

WORKING STUDENT (SOFTWARE DEVELOPER)

Bredex GmbH | Braunschweig, Germany

Feb 2018- Dec 2018

- Developed and maintained frontend applications using Angular 5, Node.js, and MySQL.
- Developed user-friendly VBA code in Excel to generate automobile service reports, enhancing accessibility and efficiency for end users.

EDUCATIONS

MASTER OF INFORMATICS

Technische Universität Clausthal

Oct 2017- Feb 2022

Master's Thesis: Built a machine learning Python program using the NSGA-II algorithm to improve vehicle platooning, making it more fuel-efficient and better for roads with big datasets. Used Gurobi to sharpen the results and compared it to older methods, showing how machine learning can solve real-world problems.

BACHELOR OF COMPUTER APPLICATIONS

Christ College Irinjalakuda, India

Jun 2012- Aug 2015

Bachelor's Thesis: Development of a hospital management system using PHP, JavaScript, HTML, and MySQL. Implemented features for adding patient records, scheduling online doctor appointments, booking visits, generating medical reports, and tracking patients' current status.

PERSONAL PROJECT

Smart-Skill – Employee Skill Management (Backend)

- Developed an open-source backend application using Django to manage employee skills and skill levels.
- Designed RESTful APIs for skill storage, retrieval, and search functionality.
- Implemented JWT token-based authentication for secure access
- Integrated PostgreSQL for database management, Docker for containerization, and Celery with Redis for task queues
- Conducted testing using Pytest and documented APIs with Swagger UI
- GitHub: [kariperry/smartskill](https://github.com/kariperry/smartskill)

SKILLS & TECHNOLOGIES

Advanced

- Python
- CI/CD
- Typescript
- PostgreSQL
- Django Rest Framework
- Git/Github
- Docker

Intermediate

- JavaScript
- Java
- HTML/CSS
- Angular/React
- MongoDB
- Spring boot
- Robot Framework
- SQLite

Base

- Jenkins
- C#
- Neo4j (Graph Database)
- FastApi

LANGUAGE SKILLS

English: C1

German: B2

Place: Braunschweig

Date: 05.04.2025

Signature:



