Melvin Chacko Jose

Software Developer

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GitHub | Portfolio | Linkedin | HackerRank | LeetCode

EDUCATION

MAR BASELIOS INSTITUTE OF TECHNOLOGY AND SCIENCE   july 2018 - july 2021
Bachelor of Technology   Kothamangalam, Ernakulam
CGPA: 6.3

ST. MARY'S INSTITUTE OF TECHNOLOGY & SCIENCE   july 2015 - july 2018
Diploma   Palakkad
CGPA: 7.2

EXPERIENCE

FUSIE ENGINEERS PVT LTD | Junior Python Developer Kochi, ernakulam kerala | Sep 2023 – Present

- Developed web applications using **Python** , **Django** , and **JavaScript** .
- Built reusable code libraries to optimize system performance and scalability.
- Integrated **REST APIs** for seamless communication between front-end and back-end services.
- Implemented security protocols (including **SSO**) and enhanced data protection mechanisms.
- Deployed applications using **Docker** , **AWS EC2** , and managed web services with **NGINX** .
- Conducted debugging and testing of software solutions, ensuring maximum speed and efficiency.

ONE TEAM SOLUTIONS EDUTECH PVT. LTD., KOCHI. | Full Stack (Python) Developer Intern
Ernakulam | Dec 2022 – Aug 2023

- Designed and developed ERP solutions using **Python** , **Django** , and **SQLAlchemy** .
- Built and optimized **RESTful APIs** for payment gateway integrations and user management.
- Deployed applications on cloud infrastructure using **AWS** and containerized services using **Docker** .
- Managed cloud infrastructure with AWS EC2 for application deployment.
- Worked in an **Agile environment** , participating in sprint planning and code reviews.
- Enhanced application performance by optimizing database queries in **PostgreSQL** and **MySQL** .

SKILLS

Programming Languages	Python, HTML5, Css, javascript, Linux(Basics), Html
Libraries/Frameworks	Django, Angular, jQuery, Two.js, Three.js, plotly
Tools / Platforms	GitHub (Version control platform),Git,Bitbucket, Aws EC2, AWS RDS, CI/CD pipelines, Jenkins, NGINX, uWSGI, Docker, Methodologies:Agile Development, Scrum, Continuous Delivery
Databases	MySQL, mongoDB, Oracle, NoSQL

PROJECTS / OPEN-SOURCE

ERP DEVELOPMENT   - Python, Django, MySQL

- Developed a lead management system to enhance fee collection and student tracking in an ERP environment.
- Improved system efficiency by 20% through code optimization and database tuning.
- Deployed the system using **AWS EC2** for cloud hosting, integrating **Docker** for containerization.

E-COMMERCE WEBSITE(FOR DIARY PRODUCTS)   - Python, Django, MySQL, HTML, CSS, Bootstrap

- Built an e-commerce platform handling 1,000+ transactions per day with payment integration using Razorpay.
- Integrated RESTful APIs for payment gateway communication and transaction handling.
- Managed the application infrastructure on AWS with automated deployment via Jenkins and Docker containers.

HOSPITAL BOOKING SYSTEM   Python, Django, MySQL, HTML, CSS, Bootstrap

- Developed a hospital management system for patient registration and doctor appointment booking.
- Implemented a REST API for seamless data exchange between front-end and back-end systems.
- Integrated security features to ensure data privacy and scalability, deployed using **Docker** and **AWS** .

E-COMMERCE WEBSITE   Python, Django, MySQL, HTML, CSS, Bootstrap

An e-commerce website is an online platform for buying and selling products/services over the internet. It offers a convenient shopping experience, secure transactions, and a wide range of products. It revolutionizes the way people shop, connecting businesses with a global audience

CERTIFICATIONS

- Oracle Cloud Data Management 2023 Foundations Associate - Oracle University.
- Full Stack Python Django with Angular - One Team Solutions EdTech Pvt. Ltd., Kochi..
- Oracle Machine Learning using Autonomous Database 2023 Associate - Oracle University.
- The Complete Python Bootcamp From Zero to Hero - Udemy (Instructor: Jose Portilla).
- Learning Python for Data Analysis and Visualization - Udemy (Instructor: Jose Portilla).
- Ultimate AWS Certified Solutions Architect Associate SAA-C03 - Udemy.