Jacob King Francis

Software Engineer / Full stack

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LinkedIn: Profile link
GitHub: Profile link
Portfolio: My portfolio

DESCRIPTION

Highly skilled, driven, dedicated, and fun-to-work-with full-stack developer with 3 years of hands-on web development experience. Adept at both front-end and back-end technologies, with a strong emphasis on developing scalable and user-friendly solutions. possesses a passion for producing high-quality software products, excellent problem-solving skills, and a keen eye for detail. excels in team environments and has good communication abilities.

EXPERIENCE

Eonace, Remote — *Co-founder / full stack developer*

August 2022 - Date

- ❖ Developed and maintained the company's fintech web application using the MERN stack, Next JS and Typescript.
- ❖ Collaborated closely with the frontend, backend, and design teams to ensure seamless integration.
- ❖ Designed and implemented RESTful APIs for data retrieval and manipulation.
- ❖ Utilized MongoDB as the primary database, creating schemas and handling data modeling.
- ❖ Implemented user authentication and authorization using JSON Web Tokens (JWT) and OAuth.
- ❖ Integrated third-party APIs and services e.g., payment APIs for additional functionality.
- ❖ Optimized frontend and backend code for performance and scalability.
- ❖ Conducted unit testing and integration testing using Jest, and ensured security of the backend system against common vulnerabilities and attacks e.g., concurrency attack using Pessimistic concurrency control mechanisms.
- ❖ Deployed backend and frontend systems to VPS (Virtual Private Server) on Contabo.
- ❖ Implemented CI/CD pipelines to automate the deployment process using GitHub workflows.
- ❖ Spearheaded code reviews within the team to ensure high code standards.
- ❖ Participated in Agile development processes, including sprint planning and daily stand-ups.
- ❖ Troubleshot and resolved bugs and issues in a timely manner.

SKILLS

Fullstack development: Strong proficiency in MEVN/MERN stacks, and Python.

Front end web development: HTML5, CSS3, JQuery, Tailwind, Bootstrap, Javascript, Typescript, Vue, React.

Back end web development: Python (Flask, FastAPI), PHP, Javascript, Typescript, Node, Express, Nest, Prisma, TypeORM.

Testing: Jest.

Authentication & Authorization: JSON web tokens (JWT), OAuth.

Database Management: MySQL, PostgreSQL, MongoDB, Firebase.

Project Management: Agile (SCRUM).

Version Control: Git and GitHub, Bitbucket.

Deployment & Hosting: Heroku, Netlify, Vercel, contabo VPS, Linux.

Strong problem solving and debugging skills.

Excellent communication and teamwork abilities.

Farmfeat, Remote (contract) — *Frontend developer*

January 2023 - March 2023

- ❖ Developed the frontend of an ecommerce web app solution for connecting farmers, buyers, and agricultural investors.
- ❖ Collaborated closely with designers to translate mockups and wireframes into responsive web designs.
- ❖ Utilized Vue JS to build a dynamic and interactive user interface.
- ❖ Implemented state management using Vuex.
- ❖ Ensured cross-browser compatibility and optimized web performance.
- ❖ Integrated with RESTful APIs to fetch and display data in the frontend.
- ❖ Integrated third party APIs and libraries to handle specific issues e.g., payment processing.
- ❖ Implemented responsive web design principles, making websites mobile-friendly.
- ❖ Worked closely with the backend development team to ensure seamless integration.
- ❖ Troubleshot and resolved frontend-related bugs and issues in a timely manner.

EDUCATION

Bachelor of Science in Information Technology

Middlesex University Dubai.

Graduated July 2022

AWARDS AND CERTIFICATES

- Scrum Fundamentals Certified VMEdu.

PROJECTS

You can view my projects 👉here