Hossam Metawaa

Software Engineer

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○ github.com/Hossam97

PROFILE

Experienced IT Specialist and Full Stack Developer with nearly 3 years of hands-on experience in administrating, monitoring, and maintaining IT infrastructure, as well as designing and developing web applications and custom ERP (Odoo) modules. Adept at leveraging technical expertise and problem-solving skills to deliver high-quality solutions in fast-paced environments. Seeking a software engineering role with a focus on full stack development to contribute to innovative projects and continue expanding my skill set in emerging technologies.

SKILLS

Backend

NodeJs, ExpressJS, NestJS, Python, Django, Django REST framework, SQL, PostgreSQL, SQLite, MongoDB, NPM, AJAX, REST API, JWT, Oauth, Clerk, ORM, OOP, Odoo Python framework, backend development, programming, problem solving

Frontend

HTML, CSS, Tailwind, Bootstrap, JavaScript, TypeScript, ReactJS, Redux, NextJS, Liveblocks, shadcn, MUI, Jest, Cypress, React Testing Library, styled components, custom hooks, web design, frontend development

Others

Version Control (Git, GitHub), Linux, MacOS, AWS (EC2 & RDS), Azure (VM & PostgreSQL server), GCP (VM & PostgreSQL server), Azure Active Directory, Sentry, Postman, Heroku, Jira, Agile, Computer Networking, Nginx, Pandas, Numpy, Matplotlib, Tableau, Seaborn

Soft skills

Organizational skills, time management skills, team work, excellent verbal communication, attention to details, problem solving, critical thinking.

PROFESSIONAL EXPERIENCE

IT Specialist & Junior Web Developer   Nov 2021 – present

Avey 🔗   Qatar

Development:

- Contributed to the full-stack development of multiple web projects using ReactJS for the frontend and Django for the backend.
- Integrated the company's Django middleware system with Odoo to synchronize the products data between the two systems.
- Utilized Odoo's Python and JavaScript frameworks to build custom Odoo modules that meet the requirements of the staff from the operations department, ensuring they are well tested before getting pushed to production. I also kept testing and production environments isolated to make sure the production is safe and not affected by any testing issues.

IT infrastructure:
- Reduced operational costs by migrating the company's multiple Odoo ERP and POS systems from a third-party provider to an in-house cloud infrastructure, initially on AWS (EC2 & RDS), and then migrated them to Azure (Azure VMs & Azure PostgreSQL DB server) and then again to GCP (GCP VM & Cloud SQL PostgreSQL server).
- Managed the IT infrastructure of the company, including Azure Active Directory, Microsoft 365, Microsoft Exchange, Jira and Google Workspace.
- Managed Avey's network infrastructure and Internet services, ensuring their smooth and continuous operation. I also managed and kept track of the IT-related assets of the company.

IT support:
- Provided timely and professional in-person and remote IT-related training sessions and technical support to Avey staff and to clients that operate Avey products and services on as-needed basis.
- Interacted professionally with Avey staff, clients, and users for all types of IT-related procurement, installation, testing, training, and troubleshooting.

PROJECTS

Portfolio (Still in progress)
https://github.com/Hossam97/portfolio
  A portfolio website showcasing my professional work experience, technical skills and projects. Built using Typescript for the frontend and NodeJs for the projects APIs (to be implemented).

Langlearn (Still in progress)
https://github.com/Hossam97/langlearn
  A language exchange Nodejs app to allow languages enthusiasts learn new languages and teach their own to those interested.

Flow Docs
https://github.com/Hossam97/flow-docs
  Link: https://flow-docs-zeta.vercel.app/ 🔗
  A real-time collaborative text editor, similar to Google Docs, allowing multiple users to edit documents simultaneously. This project uses Typescript, Nextjs, TailwindCSS, Liveblocks, Clerk and ShadCN.

To-do app
https://github.com/Hossam97/To-do-list-app
  A to-do app to list and manage daily tasks. The app uses Reactjs and MaterialUI.

EDUCATION

Bachelor of Information Technology [Hons]
Segi University
Feb 2017 – Sep 2021 | Malaysia

LANGUAGES

English — Fluent

Arabic — Native/Bilingual

REFERENCES

Yousuf Ahmad, *CTO*, Avey
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