EMRE SERDAR | Software Engineer

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SUMMARY

Software Engineer (Front-End focused) specializing in web development with expertise in both front-end and experience with back-end technologies. Skilled in UI development, REST API design, and proficient in JavaScript and Python. Experienced in the Software Development Life Cycle and adept at utilizing Agile methodologies. Seeking a challenging role in a dynamic and collaborative team environment to utilize my skills and expertise in building innovative web applications

SKILLS

Languages: JavaScript | HTML/CSS | Python | GraphQL | MySQL | Java

Frameworks: React.js | Next.js | Node.js | Tailwind.css | SCSS | Bootstrap | Django REST | Express.js

Tools: Git | Webpack | AWS (EC2/S3/RDS) | Linux | Windows | Vercel | Jira | Figma | MongoDB

PROFESSIONAL EXPERIENCE

Software Dev. Engineer, Kopernik Observatory & Science Center | Vestal, New York (Remote) API website   *Aug '22 – present*

- Designed and developed a Live Satellite Tracker **REST API** and relational data models using **Python Django** and **MySQL**.
- Implemented **JavaScript fetch** to dynamically retrieve satellite image data, enhancing interactivity of WordPress pages.
- Architected and developed interactive **UI** pages with **image modals** in Wordpress using **JavaScript/HTML/CSS**.
- Migrated the existing WordPress app and database to **AWS EC2** and **RDS**, improving scalability and performance.
- Deployed the Django API Server in **AWS EC2** using **Nginx** & **Gunicorn** on **Linux** platform. Connected to the shared **RDS** server, resulting in a **40%** reduction in **server response time.**

Software Engineer Intern, Acun Medya | Turkey (Remote)   *May '22 – Aug '22*

- Developed responsive web applications using **Next.js** and **React.js**, contributing to user experience and performance.
- Assisted senior developers in implementing responsive design using **Tailwind CSS,** enhancing user engagement.
- Actively participated in brainstorming sessions, providing valuable feedback and innovative solutions for prototypes.

Software Engineer Intern, ValuAg LLC | Binghamton, New York   *Aug '21 – May '22*

- Developed user-friendly **UI** components in **React**, enhancing **UI/UX** for a local food online marketplace.
- Utilized **TypeScript** to develop user interfaces, ensuring robust and scalable web applications.
- Collaborated with a cross-functional team in weekly sprints, contributing to successful project outcomes.

EDUCATION

- B.S. in **Computer Science** at SUNY Binghamton University
- B.S. in **Information Systems Engineering** at Istanbul Technical University

KEY PROJECTS

Blog App github.com/emre-serdar/blog-web-app **|** Click here to see the app   *Sep'22 – Dec '22*

- Utilized **Next.js, React.js, SCSS, Tailwind.css, Swiper.js ,GraphQL,** and **the Headless CMS Hygraph** to develop a custom website that met the client's specific needs.
- Implemented responsive **React components** and **reusable hooks**, optimizing development efficiency and code quality.
- Built **GraphQL API** using **Hygraph (Headless CMS)** and leveraging GraphQL for effective **querying** and manipulation.
- Optimized performance using **Next.js SSG**, resulting in up to **35%** reduction in page load times.