ANDREAS SOFOS

SOFTWARE ENGINEER

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SUMMARY

Detail-oriented and innovative Software Engineer with 3 years of experience in developing and implementing cutting-edge software solutions. Skilled in programming languages such as React, Node.js, Next.js, Typescript, Postgresql, Python and other contemporary technologies. Aiming to apply strong analytical abilities and practical experience in a dynamic, technology-focused environment to contribute to the success and growth of a forward-thinking organization.

PROJECTS

Booking platform | Website   Nov 2023 – June 2024

- Designed and developed a comprehensive booking platform for a barber industry client. The platform streamlines customer appointments, manages personalized email confirmations and reminders, and facilitates efficient handling of appointments, customer information, services, and working hours for the client
- Developed a full-stack application using the Next.js framework, where I created components and pages styled with Styled Components and Tailwind CSS. I implemented key backend functionalities, including email delivery, database connection management, and API development. Utilized Supabase with Prisma as the ORM for database operations, managed user authentication via NextAuth, and handled email delivery and template creation using Resend and ReactEmail. The application was successfully deployed as a Progressive Web App (PWA) on Vercel.

EXPERIENCE

Software engineer

Enneas Software house | Athens, Greece   Nov 2022 – Present

- **Digital Repository**: Created a digital repository using the DSpace open-source platform.

  Faced with the challenge of managing a repository containing over 15 million items and 1.7 terabytes of data, a full-stack application was developed using Next.js to enhance navigation and search efficiency across the system. The backend was built on top of the open-source project DSpace, which provides a robust foundation for digital repositories. To further optimize data retrieval, custom APIs were built within the Next.js framework, allowing direct access to Solr, enabling precise and efficient fetching of specific data that DSpace's default capabilities did not fully cover. The application also incorporates advanced filtering mechanisms and state management powered by Zustand to tackle performance challenges under the substantial load. The project utilizes PostgreSQL for robust data storage and Solr for efficient item indexing and retrieval. These comprehensive enhancements significantly optimized the entire system, reducing load times and boosting overall repository efficiency, making it faster and more capable of handling the large volume of data.

- **DevOps**: Deploy and manage applications on virtual machines.

  Deployed applications on virtual machines while managing data migrations, Nginx configurations, and various Linux system processes. Ensured system security and optimized performance through careful management and configuration. Automated tasks using Ansible, significantly streamlining the deployment processes and reducing manual intervention. These actions led to more efficient and reliable deployment cycles, improved system performance, and enhanced security.

Junior Developer

CXM | Athens, Greece   Dec 2021 – Nov 2022

- Contributed to the development of CXM, a next-generation Customer Experience Management platform tailored for small businesses using React, Node.js, and WordPress.
- Collaborated with the CEO and CTO to improve the core functionality of the CRM, ensuring a more robust and efficient user experience.
- Designed and implemented a series of new features both in frontend and in backend (Node.js) that extended the capabilities of the CXM, enhancing its value proposition for small business users.

EDUCATION

Athens University of Economics and Business (AUEB)

4-year BSc (240 ECTS) in Management Science and Technology | Athens. Greece   Oct 2018 – Sep 2022

- **Grade**: 8/10
- **Major**: Software Engineering and Data Science
- **Thesis**: "The historical evolution of chatbots and their practice application in the field of customer service"
- **Relevant Courses**: Applied Machine Learning, Applied Software Engineering, Business Analytics and Personalization Technologies, Optimization Methods, Programming I & II, DBMS, Analysis and Design of Information Systems, Big Data MS

SKILLS

Programming:

- React / Next.js
- JavaScript / Typescript
- Node.js
- PostgreSQL
- Python
- Docker
- Zustand / Redux

DevOps:

- Deployment Automation
- Server Configuration
- Ansible Automation
- Performance Tuning

Data Cleansing:

- Data Formatting
- Data Manipulation
- Data Integration