Dachen Xuan
Software Engineer
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LinkedIn   GitHub   Portfolio

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, SQL, TypeScript, JSON, EJS, Sass
Frameworks and Libraries: React, Express.js, Django, jQuery, Bootstrap
Databases and Other Technologies: PostgreSQL, MongoDB, RESTful APIs, JSON APIs, AWS, Firebase

SOFTWARE PROJECTS

Snake Game (https://0812sean.github.io/Snake-Game/)   **Jun 2024**
- Developed a Snake game using HTML, CSS, and JavaScript, implementing core functionalities likestart, pause, resume, and end, with a responsive interface and dynamic background colors.
- Integrated user-friendly controls for a smooth gaming experience, including arrow keys for movement and space bar for pausing/resuming, along with various sound effects to enhance user interaction.

Nail Art Gallery (https://nail-art-gallery-app-ba812d622aee.herokuapp.com/)   **July 2024**
- Developed a web application using Node.js, Express, and MongoDB for uploading and managing nailart designs, featuring user authentication, design categorization, and file upload handling with Multer.
- Implemented a dynamic interface with EJS templating for rendering pages, and integrated Express-Session for managing user sessions, ensuring a seamless user experience.

BookNest (https://booknest-78163836fb53.herokuapp.com/)   **Sep 2024**
- AWS S3 Integration: Successfully implemented AWS S3 for secure image upload and storage, allowing users to upload and manage book cover images.
- Full-Stack Development: Built a Django-based web application with user authentication, CRUD functionality, and dynamic content rendering, ensuring a smooth user experience across all features like adding, viewing, and categorizing books.

EXPERIENCE

Customized Sudoku Game Developer (https://sudorku-96c3a.web.app/)   **Oct 2024 – Oct 2024**
- Designed and developed a custom Sudoku game in React and Firebase, implementing adjustable difficulty levels, hints, undo features, and a competitive leaderboard.
- Delivered a user-friendly, whimsical interface that exceeded client expectations, blending aesthetics with advanced functionality.

Manicurist   **Aug 2021 - May 2024**
- Developed problem-solving skills and high attention to detail through design work.
- Adapted quickly to new techniques, maintaining a strong learning mindset and time management.
- Translated creativity and precision into transferable skills valuable for software development.

CERTIFICATIONS
- **AWS Certified Cloud Practitioner** – Amazon Web Services (AWS)   **Nov 2024**
- **Front End Development Libraries** – FreeCodeCamp   **Oct 2024**

EDUCATION
GENERAL ASSEMBLY | REMOTE
Software Engineering Immersive   **Jun 2024 - Sep 2024**
- Completed a 500+ hour program focused on full-stack development, MVC frameworks, data modeling, and team collaboration. Developed a portfolio of individual and team-based projects, emphasizing product development fundamentals and object-oriented programming.

Bachelor's Degree in E-Commerce   **Sep 2012 - Apr 2015**
- Guangxi University of Finance and Economics