Willem Johannes Smith

Full Stack Developer

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A driven programmer with hands-on experience at Ratchet Capital, where I contributed to real-world projects in full-stack and DevOps roles. Demonstrated history of completing technically demanding projects at 42 Abu Dhabi, including those involving data structures, algorithms, POSIX threading, and graphics implementation. A quick learner who thrives in collaborative, cross-cultural environments, with a strong commitment to maintaining high standards and continuous improvement.

Skills

- Javascript Frameworks
- Frontend & Backend
- Typescript & Javascript
- Python
- Html & CSS
- C / C++
- Golang
- Shell Scripting & Makefiles
- Docker & Docker Compose
- Git & Github Actions

- Leadership
- Adaptability
- Critical Thinking
- Problem Solving
- Communication
- Project Management
- Self-motivated
- Teacher
- Time Management
- Creativity

Experience

October 2024 - present

Full Stack & DevOps Developer
Ratchet Capital - Project Influenz

- Designed and developed a microservices architecture, containerizing applications with Docker and automating builds using Docker Compose.
- Implemented CI/CD pipelines using Github Actions to automatically deploy to respective servers.
- Designed and implemented the login and registration interfaces for the Influenz application focusing on a seamless and responsive user experience.
- Developed an OAuth service using Express.js that manages the Influenz ecosystem authentication.
- Developed the Influencer Dashboard, enabling influencers to manage their assignments through a clean and intuitive interface.
- Built and optimized backend endpoints in Golang using the Gin framework, delivering a scalable and efficient experience for the Influenz platform.

July 2024 - October 2024

Frontend Developer
Ratchet Capital - Project Verif-y (React Native ios/Android application)

- Assisted in setting up the React Native environment using Expo, streamlining the mobile app development process and enabling rapid prototyping and testing across iOS and Android platforms.
- Implemented skeleton loading for dashboard content in React Native to enhance perceived performance and improve user experience during data fetches.
- Built a signature upload feature allowing users to draw and save their signature directly within the app interface.
- Developed an 'Add Emails' page enabling users to manage additional contacts.

- Created a document search page with dynamic filtering to allow fast and intuitive access to uploaded files.

April 2024 - July 2024

Community Developing & Python Scripting
Ratchet Capital - Influenz Community

- Established and managed a Discord community, laying the foundation for real-time engagement between the company, influencers, and brand supporters.
- Set up Zealy task systems to gamify onboarding, boost community participation, and track engagement-based rewards.
- Developed a Python-based Twitter scraper that continuously collects user profiles based on trends and follower count, storing them in a structured .csv format for easy analysis and outreach.
- Automated content alerts using Make (Integromat) to detect and post updates from platforms like YouTube and Instagram directly into dedicated Discord channels, enhancing community awareness and interaction.

42 Abu Dhabi Projects

August 2023 - November 2023

ft_transcendence
Tech Stack: Nuxt.js (Vue), Nest.js, PostgreSQL

As part of the final project at 42, I contributed to the development of a full-stack multiplayer web application centered around a Pong-inspired game. While the stack included Nuxt.js, Nest.js, and PostgreSQL

April 2023 - May 2023

ft_irc
Tech Stack: C++ (Networking, Multi-threading)

As part of a team project, we developed a simplified IRC (Internet Relay Chat) server from scratch using C++, focusing on networking fundamentals and RFC-compliant behavior.

January 2023 - March 2023

ft_containers
Tech Stack: C++ (STL Implementation)

This solo project required re-implementing core components of the C++ Standard Template Library (STL). It strengthened my understanding of data structures, iterators, and template programming.

Education

September 2021 - June 2024

Software Development Diploma
42 Abu Dhabi

Technical knowledge and expertise to design, and develop software solutions, with key skills (e.g. c, c++, and bash script) underpinning software development.