Swoyen Suwal

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SUMMARY

An enthusiastic and self-driven software developer with robust technical skills and a passion for problem-solving. Demonstrates significant expertise in software development gained through hands-on internships and professional experience in software-related roles.

SKILLS

Front-End: Angular, ReactJS, Typescript, HTML5/CSS3

Back-End: .NET, Laravel, MySQL, SQL Server

Tools/Languages: Unity, Git, Javascript, Java, C#, Python

EXPERIENCE

Full Stack Software Developer

Surity Pty Ltd   **March 2022 - Present, Mount Barker, South Australia**
· Utilized Angular to design and implement engaging user interfaces for client applications, ensuring an intuitive and responsive user experience.
· Leveraged .NET to build and maintain robust backend services, facilitating seamless integration and functionality.
· Resolved software development tickets documented in Surity's Research & Software Development Project Management System using Team Foundation Server (TFS).
· Produced clear technical documentation to support development processes and team collaboration.

Software Engineering | Research Assistant

University of South Australia   **March 2020 - May 2021, Adelaide, Australia**
· Engineered a cutting-edge Virtual Reality framework in Unity using C# to visualize genomic data, enhancing data interpretation and user engagement.
· Optimized the existing system by implementing advanced hand-centric interaction techniques, significantly improving user experience and interactivity.
· Researched established 2D genomic data visualization methods and successfully adapted the techniques into a 3D environment, pushing the boundaries of data representation.

Mixed Reality Developer | Internship

CSIRO Data61   **November 2018 - March 2019, Clayton, Victoria**
· Developed novel point cloud visualizations using C# for HoloLens in the Mixed Reality Lab, demonstrating advanced spatial alignment and enhancing data immersion.
· Boosted CSIRO's Workspace platform capabilities by creating a software plugin with C++ for seamless HoloLens integration, expanding functionality and improving interaction.
· Engineered software for rendering 3D data captured by Kinect on the HoloLens, improving real-time data analysis and visualization.

PROJECTS

Game Store | NextJS

nextjs-acquire.vercel.app/shop
· Developed a comprehensive online gaming store website from start to finish using NextJS.
· Managed user authentication and authorization through NextAuth.
· Managed payment transactions via Stripe and sent email confirmations to users.

EDUCATION

Bachelor of Software Engineering with Honours

University of South Australia, Adelaide · South Australia · 2019 · First Class Honours

INVOLVEMENT

Study Support

University of South Australia, Adelaide · Study Help PALS · July 2018 - November 2018
· Offered approachable and casual assistance to students during campus drop-in sessions.
· Directed students toward available university resources.
· Dispensed informational flyers to students about university programs.

Student Mentor

University of South Australia, Adelaide · UniMentor · February 2019 - June 2019
· Offered guidance to incoming UniSA students as a mentor.
· Supported their adjustment to university life through consistent communication.
· Kept them informed with regular updates on university activities and events.