Brian A. Segers

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Summary

As a seasoned 3D Artist turned Software Engineer, I enjoy blending creativity with logical tools to craft effective digital experiences that come alive on the web. My journey began in the captivating world of 3D visual art, where I digitally sculpted everything from game characters to 3D-printed parts. However, the allure of solving problems through elegant applications led me to pivot toward the dynamic realm of web development.

But it's not just about code and beautiful interfaces—it's about empathy. My passion is understanding the user's journey, anticipating their needs, and creating seamless experiences.

Work Experience

Freelance Web Developer (remote)   **Sep 2022 - Present**

Full-Stack Software Engineer

- Delivered front-end and full-stack web solutions for clients using React, TypeScript, Tailwindcss, MongoDB, and Next.js, focusing on responsive and user-friendly applications.
- Integrated third-party APIs, including Clerk and OpenAI, to enhance application functionality.
- Designed front-end UIs from wireframes in Figma.

Udacity - Mountain View, CA (remote)   **Sep 2021 - Jul 2022**

Front-End Software Engineer

- Developed internal tools to enhance team efficiency and streamline operations.
- Updated outdated front-end systems to align with modern style guide standards and improve user experience.
- Identified, diagnosed, and resolved bugs in production systems, ensuring high-quality, reliable software.
- Worked closely with cross-functional teams, contributing to design discussions, problem-solving, and strategic planning to align development efforts with business goals.

Key Achievements:

- Led the transition to new internal tools that improved team productivity.
- Spearheaded a UI redesign, enhancing the overall look and feel of the tools used by the dev-ops team.

Udacity - Mountain View, CA (remote)   **May 2021 - Sep 2021**

Software Engineer Intern

- Assisted in transitioning API services from a microservices architecture to a more streamlined monolithic system.
- Enhanced internal tools, focusing on optimizing the performance and usability of front-end interfaces.
- Learned and implemented best practices in front-end development, including accessibility and responsive design.

Key Achievements:

- Contributed to a large-scale architectural transition, improving system stability and maintainability.

Voodoo Manufacturing - Brooklyn, NY   **Sep 2016 - Jan 2020**

Senior Digital Artist | Department Manager

- Launched and managed the 3D design service, growing the department from inception to a full-service offering.
- Managed end-to-end design projects, coordinating between sales, artists, production teams, and freelancers.
- Hired, trained, and mentored a team of designers, fostering a collaborative environment focused on creativity and operational efficiency.
- Led process improvement initiatives to streamline the design-to-production pipeline, resulting in faster project delivery and higher client satisfaction.

Key Achievements:

- Increased department revenue by 30% through process improvements and enhanced client engagement.
- Expanded the 3D design service to handle higher complexity projects, growing the team to 10 members.

Education

Pratt Institute - Brooklyn, NY   **2006 - 2011**

Bachelor of Fine Arts (B.F.A.), Department of Digital Arts

Udacity   **2021**

Front-End Web Development Nanodegree

Udacity   **2020 - 2021**

Full Stack Web Developer Nanodegree

Projects

Front-End Web Development Portfolio

Github | View live website

DevFlow - A lot like Stack Overflow (in development)

Github | View live website

Gericht Restaurant - A Modern UI/UX Restaurant Website

Github | View live website

Certificates

Advanced React, React Basics, HTML and CSS in depth, Programming with JavaScript, Version Control, Introduction to Front-End Development, Python for Everyone, Retrieving, Processing, and Visualizing Data with Python, Using Databases with Python, Using Python to Access Web Data, Getting Started with Python, Python Data Structures, Learn CSS, Udacity's Pledge to Equality Scholarship Program, Learn HTML, Learn Python 3

Skills

Web Development: React.js, JavaScript (ES6+), HTML5, CSS3, Next.js, Tailwind CSS
Tools & Platforms: Git, GitHub, Node.js
Soft Skills: Collaboration, Project Management, Problem-Solving, Client Relations