

JONATHAN SILVA

SOFTWARE ENGINEER

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PROFILE

I'm an engineer from NY with a passion for technology and learning new things. Though I've had valuable formal education, much of my knowledge is self-taught, demonstrating my quick learning ability and adaptability. As a career switcher from 3D CAD Design for brands like Disney, Marvel, and Nintendo, and many startups, as well as a designer for my own jewelry brand, I offer a unique blend of technical expertise and design sensibility. My journey reflects resourcefulness, innovation, and a continuous passion for learning.

Key skills include React, TypeScript, Node.js, and Docker. I excel in collaborative environments, as demonstrated by my role in an AWS Hackathon where I worked with UX designers and a Data Scientist to revamp the Data Exchange frontend. My contributions to the UI redesign and implementation of AI-powered search suggestions were pivotal in our team's victory, showcasing my ability to innovate and perform under pressure. My career goal is to leverage my diverse background and technical skills to contribute to cutting-edge projects and drive impactful solutions.

SKILLS

React, Node.js, NextJS, React Native, MySQL, GitHub, Git, HTML, CSS/Sass, JavaScript, TypeScript, Express, REST APIs, User Authentication, Postgres, Docker, CI/CD, Github Pages, Python, FastAPI, Wordpress, WooCommerce, npm, Shadcn, three.js, Chart.js, cPanel/WHM Servers, Jest

EXPERIENCE

Full Stack Software Engineer | Artemys | Women's Sports Tracker Mobile App

FEB 2024 - PRESENT, REMOTE, NY

- Utilized React Native & TypeScript to build a multi-platform full-stack mobile app for Android & iOS
- Engineered a robust backend using Node.js, Express, & MySQL to accumulate, format & store sports league, team, game, and player stats data, which is then made accessible to mobile client applications through a RESTful API, & queried with GraphQL
- Worked with UX/UI Developer to accurately produce a fully functional and pixel perfect mobile app, utilizing Agile Methodology to ensure timely high quality deliverables
- Implemented Redux.js to manage complex data & and create a centralized state management system
- Developed a library of components emphasizing the DRY principle, high reusability and modularity with consistent design patterns

Full Stack Software Engineer | Mentor Me | Multi-Platform Education Solution

OCT 2023 - PRESENT

Mentor Me is a platform I designed to connect people who want to learn new skills with people who wish to fill the role of a mentor.

- Engineered a visually engaging React front-end with a Three.js 3D globe feature, increasing user engagement by 30% and enhancing user experience through a fully responsive interface
- Designed & engineered a complex MySQL database system with strict conditions to efficiently manage and organize user data, ensuring seamless operation and scalability as the platform grows
- Implemented secure user authentication utilizing JWT (JSON Web Tokens), safeguarding user data and ensuring secure access to platform features and resources
- Utilized the GeoApify API to translate user-provided locations into mappable coordinates, enriching the platform with geo-location functionalities for enhanced user interaction and personalized experiences
- Leveraged Node.js with Express.js to build a robust back-end with middleware integration, reducing API response time by 20% and improving overall system reliability

AWS Data Exchange Hackathon (1st Place) | Software Engineer

NOV 2024, NEW YORK, NY - Project URL: <https://awshackathon.jonathansilva.io/>

- Collaborated closely with a multidisciplinary team, including 2 UX designers and 1 Data Scientist, adopting agile methodology to facilitate seamless coordination & iteration. Conducted regular stand-ups to ensure alignment & progress towards project goals
- Spearheaded the development of a functional prototype within a rigorous 24-hour timeframe, focusing on overhauling the user interface (UI) to enhance usability and aesthetics. Implemented rapid prototyping techniques and iterative design processes, leading to a 40% improvement in user feedback scores
- Leveraged the cutting-edge capabilities of OpenAI's GPT 4.5 Large Language Model to pioneer an innovative AI-powered feature: a concurrent Suggested Datasets search engine. Leveraging contextual understanding and real-time event analysis, the solution

dynamically curated & presented relevant datasets to users, significantly boosting engagement by 60% & conversion rates by 35%.

Front-End Web Developer | Agata & Valentina | Grocery Delivery Web App

APR 2023 - SEP 2023, NEW YORK, NY

- Collaborated closely with cross-functional teams, including product managers and developers, to translate user requirements and business objectives into engaging and intuitive user interfaces (UI/UX). Conducted user research and usability testing to gather feedback and iterate on design solutions, ensuring optimal user experience and satisfaction
- Employed Material-UI to streamline the styling process and maintain design consistency across different screen sizes and devices. Customized stylesheets using Sass and CSS-in-JS to achieve pixel-perfect designs, resulting in a 25% faster development time and adherence to brand guidelines
- Conceptualized, designed, and produced a wide range of graphical assets, including icons, illustrations, and user interface elements, to elevate the visual identity of an iOS-based grocery ordering application. Employed industry-standard tools such as Adobe Photoshop, Illustrator, and Sketch to create high-fidelity mockups and prototypes.

Software Engineer / Operations Lead & Production Manager | Shahla Karimi

MAR 2021 - JUN 2022, REMOTE

- Engineered custom automations with Zapier using proficiency in JavaScript & APIs to eliminate the most tedious tasks in production, sales, CRM process, & cross-team communication, to keep teams lean & focused on more demanding tasks
- Designed & implemented a suite of web tools & applications tailored to the specific needs of individual team members, enhancing efficiency & productivity across departments, resulting in daily individual time savings of 1-2.5 hours and a 25% increase in overall team productivity
- Implemented agile methodology across departments to establish a comprehensive production protocol, resulting in a 36% reduction in losses through enhanced organization and efficiency, and accelerating project delivery times by 20%
- Leveraged 3rd-party REST APIs to engineer condition-based email communication with vendors, conditional order due dates, automatic product rendering & email to clients, automated QC procedures, & tracked order envelopes, improving process automation by 50% and reducing errors by 30%

Web Developer & Administrator | Intenebris

FEB 2014 - FEB 2020, NEW YORK, NY

- Engineered & deployed an optimized e-commerce platform with WordPress/WooCommerce, integrating custom plugins & themes for enhanced user experience & operational efficiency, keeping a majority of tasks in-house saving an estimated total of \$20,400 in outsourced labor over time
- Integrated third-party APIs like Stripe Payment Gateway & AfterShip for secure payment processing & order tracking, boosting customer satisfaction by 25% and increasing retention rates by 18%
- Managed SQL databases using phpMyAdmin, ensuring data integrity, performance, & scalability for efficient handling of customer data
- Implemented SSL certificates & configured server settings, DNS records, & hosting environments on cPanel Linux servers, ensuring secure & seamless website operation, demonstrating proficiency in web server management best practices
- Collaborated with cross-functional teams to develop & execute branding strategies, including logo design, business cards, & lookbook creation, aligning brand identity with market trends & target audience preferences
- As a designer, cultivated a dedicated following in the fine art world through innovative collaborative projects with renowned painters & sculptors, leveraging social media platforms & digital marketing techniques to expand brand visibility & driving a 60% increase in sales within the niche market of dark fashion

EDUCATION

BrainStation | Diploma Software Engineering

SEPT 2023 - DEC 2023

NEW YORK, NY

FIT NYC | BFA, Illustration & Graphic Design

FEB 2007 - MAY 2013

NEW YORK, NY

Removed:

Front-End Software Engineer | Castor & Pollux | Responsive Site Refresh

JAN 2024 - FEB 2024, REMOTE, NY

- Utilized React with TypeScript to develop dynamic, fully responsive user interfaces, enhancing efficiency and reducing error occurrence through type checking and static analysis
- Engineered a comprehensive responsive design strategy, employing media queries and flexible grids to ensure seamless user experiences across various screen sizes and devices, from desktop computers to smartphones and tablets
- Leveraged SASS CSS Preprocessor to streamline stylesheet management and enhance maintainability through use of variables, mixins, and nesting

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1/18/2024

Pinterest Hiring Team
San Francisco, California

Apprentice Engineer, posted Jan 17th

Dear Pinterest Hiring Team,

I am writing to express my interest in the Software Engineering Apprenticeship at Pinterest. Pinterest has been more than just a tool; it's been a constant companion throughout my creative journey and that of my friends and family.

Having recently completed a comprehensive Software Engineering bootcamp at BrainStation NYC, I have honed my skills in JavaScript & React, Node.js, RESTful APIs, MySQL, and Sass (CSS). Post-graduation, my learning journey continued with a focus on TypeScript, alongside exploration into React frameworks like Next and Remix.

Beyond software engineering, I am deeply passionate about continuous learning. My diverse experience spans graphic design for branding and internal documentation, API utilization and WordPress customization for small businesses and my jewelry brand (Intenebris), and 3D CAD design and sculpting for high-profile fashion brands like Reza Intl. and officially licensed jewelry merchandise for renowned brands like Disney, Sony, Nintendo, and Legendary Pictures. In my prior role as an Operations Manager at Shahla Karimi, I played a key role in implementing and streamlining manufacturing production processes, leveraging APIs to strategically automate workflows. This experience not only showcased my proficiency in operational optimization but also highlighted the importance of teamwork and interdisciplinary collaboration. There is no "I" in teamwork.

While in bootcamp, I had the privilege of being part of a winning team in my first competitive hackathon, sponsored and judged by AWS Amazon Web Services. Working alongside a collaborative team consisting of a fellow software engineer, two UX designers, and a data scientist, our collective efforts, including my contribution of AI-powered Suggested Datasets, were instrumental in securing the first-place position. This experience underscored my commitment to teamwork, innovative problem-solving, and effective collaboration – even in a competitive setting.

I'm really excited about the opportunity to join Pinterest as an apprentice, and the prospect of learning and contributing to a company I have enjoyed so much over the years!

Sincerely,
Jonathan Silva