Steven Paul Jacobs

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Dear Sir/Madame,

I am a passionate full-stack application developer with 3 years experience creating a diverse set of web apps and software for various companies and clients, as well as teaching at a programming school. I continuously pursue self-improvement to develop my software engineering skills, deepening my knowledge of computer science, and I enjoy keeping up to date with latest developments. Prior to software developing I worked in finance and technology auditing.

I first worked in web3 and blockchain development, auditing and consulting projects. I first started learning solidity, which enlightened me to software development as a career. I love problem-solving, architecting and I have worked closely with algorithms throughout my adult life.

I enrolled in rigorous software development courses, Harvard University's CS50x program and Mosh Coding School, providing me with a strong foundation in computer science and enabling me to gain further hands-on experience building software as a junior developer for several companies and freelance contracts.

To date, I have successfully delivered various production ready apps and websites, using several tech stacks, gaining a broad range of experience, whilst focusing on several core languages/frameworks. My core frontend focus has been on JavaScript/TypeScript, React.js/Next.js, SCSS. My core backend focus has been on Node.js/Express & Java. With a strong working knowledge of both SQL & NoSQL databases. I am very comfortable working with APIs, HTML, Git, and for testing, Jest and Cypress. I have some skill in Python/Django and would be really interested in developing my skills here.

I am a clear communicator and thrive both as part of a team and working more autonomously. I am hard working, keen to learn and contribute to the development of great ideas. These things are really important to me. I enjoy reading philosophy, history and classics in my spare time, as well as jogging and walking in nature.

I am eager to contribute my skills and welcome the opportunity to discuss any potential roles with you further.

Thank you for considering my application.

Sincerely,

Steven Paul Jacobs

Portfolio: https://www.stevenjacobs-portfolio.com/

Skills:
- JavaScript / TypeScript
- React.js / Next.js
- Java (Spring/Maven)
- HTML / CSS & SCSS
- Node.js
- REST APIs
- SQL (Postgres & MySQL) / NoSQL (MongoDB)
- Python
- Solidity
- Git

Languages:
English: Native
Portuguese: B-Grade

Work Experience

Java & React Developer, BlockArch   April 2023 – Present

Our product operates as a consultation service for tech startups, matching users to optimal tech solutions through a series of inputs and algorithmic database interactions. I am involved in all levels of development here. Key features of this implementation include:

- Web app front-end: design and interface, presenting a professional UI & UX (Javascript/React)
- Backend: coordinating inputs with algorithmic database outcomes (Java/Spring/Maven)
- SQL database: writing queries, storing and accessing data in a computationally optimal way (Postgres)

Full Stack & Front End Instructional Specialist, EdX University Bootcamps   October 2023 – Present

Tutor university provided bootcamp student by aiding in their learning of various programming languages, frameworks and concepts. Key responsibilities include:

- Teaching problem solving, rationalising solutions and exercising core programming principles.
- Preparing students for a career in software developing through practising TTD, OOP, Agile, SCRUM etc.
- JavaScript, React, SQL, NoSQL, Jest, NodeJS, Git, Hosting, REST APIs.

Full Stack developer, BurgerBox   Nov 2022 – April 2023

Built a Full Stack restaurant management system, for the company BurgerBox, to replace and emulate the current ordering system such as Deliveroo, using Next.js. Key features of this implementation included:

- Frontend UI/UX, backend dataflow management (JavaScript/ReactJS/NextJS/NodeJS)
- Live order notifications & client ordering and payment management (Websocket & Stripe)
- Orders / Menu options / Delivery and collection management (MongoDB)
- Live order receipt printing (Epson SDK)

Full Stack developer, Freelance   Aug 2022 – Oct 2022

Developed a Web3 enabled NFT minting, and exclusive hosting platform. The NFT platform was built using React.js. Key features of this implementation included:

- Blockchain interaction capabilities (Ethers.js) for minting
- Crypto wallet connection
- NFT paywall for exclusive, limited content

Blockchain developer, Freelance   May 2022 - July 2022

Constructed various Blockchain Token Smart Contracts. Mainly innovative investment tokens, for Binance Smart Chain, Polygon and Ethereum, in Solidity. Key features of this implementation included:

- Tokens with bespoke mechanisms for DeFi and NFT investing
- Investment ready and secure smart contracts
- Smart Contract auditing

Front-end development and design, Chainwork   Aug 2021 – May 2022

Designing and implementing the UI/UX for the launch website of a Web3 recruitment platform. Key features of this implementation included:

- UI design utilising Figma

- Front-end functional UX development, with React.js
- Styled with Bootstrap and CSS

Education

CS50x Harvard University
6-month study program   **Jul 2021 – Jan 2022**

Completed an in-depth 6-month computer science study program, focused on learning the fundamentals of computer science theory & software development, taught through lectures and basic projects. From this course, I gained a fundamental understanding of computer science, including:

- Essential algorithms, data structures and design patterns
- A history of computer science and its evolution
- A basic understanding of languages such as C, Python, SQL, HTML, CSS & Javascript

Mosh Coding School, https://codewithmosh.com
3-month intensive program   **Sept 2021 – Dec 2021**

Completed a comprehensive 3-month intensive training program, focused on mastering the essentials of software development by building various basic projects and learning best practices, design patterns, and data structures. Through this program, I gained proficiency in a range of programming languages and technologies, including:

- JavaScript, TypeScript, ReactJS, HTML, CSS, NoSQL
- NodeJS, Python, Django, Java, and Git
- Accumulated over 200 hours of hands-on experience in these technologies

University of Manchester
Political Economy MA

Completed a dissertation on critiquing methodologies for studying global economic and social phenomena, providing a thorough analysis of existing researchtechniques, and identifying areas for improvement and further study - Merit.

Aston University, Birmingham
Economics

Specialised in econometrics, statistics, financial economics, agglomeration, and macro-economic policy, during my studies, I gained a deep understanding of the tools and techniques used to analyse and understand global economic and socialphenomena - First Class Honours.

Further Skills

President, Aston University Trading & Investing society

In this role I organised and hosted networking events, with hosts from many national institutes and companies. This led to recruitment opportunities for my alumni, and also for continued professional development opportunities such a placement years within their study.

Blockchain Investor & Article Writer / Moderator
Applying macro-economic theory and knowledge of current affairs to create manual and automated PineScript trading strategies applied to investments in stocks, forex and crypto currencies. Key achievements include:

- Draw sustainable and impressive ROI through variegated investments, with a proven track record over an extended period of time, in a variety of financial markets.

- The development and publishing of a popular blog that provided technical overviews, aiming to bridge the gap between developers and investors.