Jaylen Cooper

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Profile

Innovative and results-driven Software Engineer with over 8 years of experience delivering end-to-end solutions in fast-paced environments. Skilled in both front-end and back-end development, I specialize in architecting scalable, maintainable applications that prioritize user experience. Proficient in a wide range of technologies, I excel at using diverse tech stacks to create robust, user-centric web applications. A strong advocate for agile methodologies, I thrive in collaborative environments, always eager to contribute and support my team.

Education

Virginia Tech (Virginia Polytechnic Institute and State University)
Bachelor's Degree in Computer Science | 2013 – 2017
Blacksburg, VA
Courses: Programming Languages, Data Structures & Algorithms, Databases, Data Science, Artificial Intelligence, Operating Systems, Software Engineering

Technical Skills

Languages: JavaScript, TypeScript, HTML, CSS, PHP, Python, Ruby, JSON, C++
Frameworks: Angular, React.js (Redux, Next.js), Vue.js (Vuex, Nuxt.js), Ember.js, Node.js, Express.js, Nest.js, Django, Flask, FastAPI, Ruby on Rails, jQuery, RESTful APIs, GraphQL, AJAX, Electron.js
Databases: SQL, NoSQL, MySQL, PostgreSQL, MongoDB, Amazon DynamoDB
Tools: Docker, Jira, Webpack, Babel, NPM, Yarn, PNPM, GitHub, GitLab, Bitbucket, ClickUp, Trello, Figma, VS Code, Jest, Mocha, Enzyme, Cypress, Playwright
Cloud Platforms: AWS, GCP, Azure
Other Skills: Web Accessibility, WebSockets, WebRTC, Google Analytics (GA), Google Tag Manager (GTM), Agile Methodology, Scrum, DevOps, CI/CD, Unit Testing, Responsive Design, WordPress, Headless CMS, Shopify, Contentful, SEO, Debugging, Object-Oriented Programming, Project Management, Time Management, Multitasking, Teamwork, Analytical Skills, Problem-Solving

Professional Experience

Software Engineer | Spotify | New York (Remote)

Jan 2022 – Oct 2024

- Collaborated closely with product management and UI/UX teams to overhaul the user interface, improving accessibility and user satisfaction.

- Developed dynamic web applications using **React** and **Next.js**, implementing advanced performance optimizations such as lazy loading and tree-shakable

modules.

- Created scalable cloud solutions using **Google Cloud Platform (GCP)**, architecting secure and efficient microservices with **Docker**, **Kubernetes**, and **Spring Boot**.
- Designed and maintained RESTful and **GraphQL APIs**, enabling flexible data querying and integration.
- Worked with **Python** to build internal tools for business analytics and decision-making.
- Ensured web accessibility by following WCAG standards, designing inclusive web interfaces.

Key Technologies: React, Next.js, TypeScript, Node.js, C#, Python, GCP, PostgreSQL, GraphQL, Docker, Kubernetes, CI/CD, Web Accessibility

Full Stack Engineer | UNIWeb | Burke, VA (Remote)

Nov 2018 – Dec 2021

- Developed responsive, scalable web applications using **React** and **Vue.js**, integrating advanced state management solutions like **Redux** and **Vuex**.
- Designed server-side rendered applications with **Next.js**, improving SEO and performance.
- Migrated large-scale projects to **TypeScript**, enhancing productivity and reducing errors.
- Utilized **GCP** services for cloud infrastructure, ensuring high availability and cost-effectiveness.
- Built **blockchain-based applications** on platforms like **Ethereum**, facilitating secure, transparent transactions.

Key Technologies: TypeScript, React, Vue.js, Node.js, GCP, MongoDB, MySQL, Blockchain, CI/CD, WebSockets, WebRTC

Front-End Engineer | Blue Label Labs | Richmond, VA (Hybrid)

May 2016 – Oct 2018

- Developed interactive and responsive user interfaces using **React**, **Angular**, and **Vue.js**.
- Built enterprise-grade applications with **Angular**, leveraging **RxJS** and **Reactive Forms** for advanced state management.
- Contributed to pixel-perfect UI design, ensuring cross-browser compatibility and high-quality user experiences.

Key Technologies: JavaScript, React, Angular, Vue.js, HTML5, CSS3, Python, Tailwind CSS, Figma

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Certifications

- **Front-End Development Libraries** – freeCodeCamp (Feb 2023)
- **Responsive Web Design** – freeCodeCamp (Feb 2023)

- **Data Visualization** – freeCodeCamp (Feb 2023)
- **Scientific Computing with Python** – freeCodeCamp (Feb 2023)
- **Data Analysis with Python** – freeCodeCamp (Feb 2023)

Projects

- http*://amalfabz.comhttp/amalfabz.com/*
- https*://enterpriseoptimisationfund.com/*
- https*://66c7611dd4764d00a5cdf267--dreamy-selkie-e5bca9.netlify.app/*
- https*://www.clearstonegroup.com.au/"*
- https*://fluencer.pk/"*
- https*://infinitirestorations.com/"*
- https*://justmac.com/"*
- https*://www.krezicart.com/"*
- https*://lurella.pk/*
- https*://www.chewy.com/"*
- https*://www.touragencyapp.com/en/"*
- https*://www.dollskill.com/"*
- https*://www.touragencyapp.com/en/"*
- https*://nft-exchange.herokuapp.com/"*
- https*://ko.cryypto.com/payment"*

Achievements

- **Boosted Web Speed**: Increased web performance by 22% using **React** optimizations.
- **Successful Budget Management**: Led a UI overhaul project under budget constraints.
- **Cost Reduction Strategies**: Reduced server costs by 27% through **serverless architecture**.
- **Effective Scalability Planning**: Scaled application to support 500,000+ users without downtime.