

# Joel Samson

Software Developer

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## Education

### George Mason University

January 2022 - December 2023

*Master of Science in Computer Science; GPA: 3.78*

*Fairfax, VA*

**Relevant Coursework:** Analysis of Algorithm, System Programming, Artificial Intelligence, Machine Learning, UX/UI Design, Internet Technology, Data Structures, Maths Foundation

### NMAMIT Institute of Technology

August 2017 - October 2021

*Bachelor of Engineering in Information Science & Engineering; GPA: 3.68 (9.00/10.0)*

*Nitte, India*

**Relevant Coursework:** Web Programming, Data Mining, Project Management, Computer Networks, Operating Systems, Cloud Computing, Data Structures, Maths Foundation

## Experience

### Nexus 8 International

January 2023 – Present

Software Developer Intern | React, NodeJS, HTML, CSS, Javascript, Figma, GitHub, Wireframes

*Washington DC, WA*

- Revamped website interface with contemporary design resulting in 25% increase in traffic and improved user experience
- Executed performance optimizations, slashing page load time by 40% for enhanced website responsiveness
- Collaborated on new features and wireframe-driven UI/UX enhancements, refining website usability and navigation

### George Mason University

August 2022 – December 2023

Graduate Teaching Assistant | Data Analysis, HTML, CSS, Python

*Fairfax, VA*

- Guided 100+ students in fundamental CS concepts, enhancing their ability to write efficient, maintainable code by 15%
- Delivered comprehensive instruction to students on the latest emerging technologies, simultaneously enhancing personal skills and aligning the course syllabus with industry trends for a more relevant and forward-thinking curriculum

### Istari Digital

June 2023 - August 2023

Software Developer Intern | React, NodeJS, Typescript, REST API's, Github, Vite, Storybook, Jest

*Arlington, VA*

- Crafted reusable modular components, driving a 20% decrease in feature implementation time and boosting frontend
- Architected RESTful APIs, boosting backend by 30%, reducing response time by 15%, enhancing scalability
- Conducted comprehensive unit testing and achieved a 95% code coverage, effectively reducing post-release bugs by 30%
- Led API documentation, cutting 25% of dev time and enhancing project clarity with clear, concise communication
- Formulated TypeScript migration strategy, converting .jsx files to .ts, enhancing codebase maintainability and scalability
- Integrated ChatGPT API into bots, automating repetitive daily tasks, optimizing workflow efficiency

### Freelance Web Developer

January 2020 – December 2021

Web Developer | React, NodeJS, HTML, CSS, Javascript, PHP, MySQL, Figma, Canva, Adobe

*Remote*

- Contributed to student grievance, university, and examination portals, portfolios, and University Outreach websites
- Enhanced website performance by 30% through full-stack development of responsive interfaces, meeting set standards
- Performed comprehensive UAT sessions, achieving a 95% stakeholder satisfaction rate and ensuring smooth deployment
- Leveraged agile methodologies to adapt to changing project requirements and maintain flexibility throughout the SDLC

## Projects

### Cloud Resume Challenge | S3, Cloudfront, Lambda, DynamoDB, API Gateway, CI/CD, Terraform

November 2023

- Developed and deployed a portfolio card website, utilizing AWS services to maximize cloud architecture advantages
- Enhanced website security with HTTPS, CI/CD via GitHub Actions, and secure API calls through API Gateway
- Configured CloudFront for reliability, optimized content delivery, and used Terraform for infrastructure automation

### News App | React, NextJS, Javascript, Tailwind, HTML, CSS, REST APIs

October 2023

- Engineered a news application with NextJS and Tailwind, leveraging the News API and Axios integration to achieve a 50% enhancement in data retrieval speed and application responsiveness while enhancing visual appeal

## Skills

**Languages:** Python, Java, C++, C, SQL, Jest, C, HTML, CSS, Javascript, TypeScript

**Technologies / Frameworks:** .NET, Firebase, REST APIs, Git, AJAX, jQuery, AWS Cloud, Docker, Kubernetes, Redux, Jenkins, Tableau

**Web Development:** React, Node.js, Angular, Next.js, MERN, Tailwind, Bootstrap, Webflow, WordPress, PHP, Laravel

**Databases:** MySQL, MongoDB, PostgreSQL, Firebase, DynamoDB

**Certifications:** AWS Cloud Practitioner

## Awards and Leadership

- **Winner, Smart India Hackathon 2020:** Led team to 1st place developing a grievance system in 36 hours
- **MHRD Scholarship Awardee:** Received 4-year full-tuition scholarship for academic merit, 2017-2021
- **Best Employer Award:** Recognized for excellence in part-time role at Mason Recreation