

Joe Alongi

Software Developer

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Focused on full-stack development of Java, Spring Boot, JavaScript, React, & Node software applications on the cloud. Working on Java and JavaScript microservices, building software orchestrations, connecting APIs to chatbots, dashboards, and devices. Enhancing solutions with Artificial Intelligence for Natural Language Processing and Machine Learning. Building RESTful services and serverside solutions for continuous querying using GraphQL, Redis, MongoDB, and SQL. Establishing production efficiency through containerization, computational optimization, and server networking. Developing solutions for connecting services across cloud & on premise infrastructure. Lead and worked on the development of large-scale customized applications for data management, orchestration, analytics, and eCommerce. Utilizing NetSuite, Shopify, and WordPress — using Java, JavaScript, C#/.NET Framework, Liquid, WordPress, SQL, NoSQL, GraphQL, Kubernetes, Apache, NGINX, React, Node, PHP, HTML, CSS, and SASS in both LAMP and MERN stacks for advanced deployments. Familiar with major cloud providers in storage, servers, containers, databases, and serverless architectures — IBM Cloud, Google Cloud, Amazon Web Services, Azure, Firebase, and Next(Vercel).

Work Experience

Advisory Application Developer IBM

Jul 2021 - Current

Developing full stack software applications in Java and JavaScript with cloud-based technologies. Precisely integrating performant micro-services to leverage cloud, hybrid cloud services & data-lakes. Building Python functions for iterative data transfer and artificial intelligence.

Constructing application programming interfaces for services to automate tasks and inform applications. Building computational tasks for processes locally and globally to supporting implementation of I/O services. Leveraging NLP, ML, OCR, and artificial intelligence software services for a variety of use cases to enhance ability of software to solve for customers.

Refactoring, debugging, and testing solutions to establish modern frameworks with agile software development patterns and longevity. Documenting critical technical features, terms, and architecture for extensible hand-offs.

- Developing performant applications & software that enhances customer technical ecosystem and solves core problems.

- Establishing frameworks and hand coding in Java, Spring, Vaadin, JavaScript, Node, React, Angular, TypeScript, HTML, CSS, and SASS to enable technical solutions.

- Architecting & implementing micro-services to connect software, databases, and I/O devices.

- Containerizing and deploying production code with Kubernetes, Docker, and Cloud services.

Web & Application Developer

Mr. Smith Agency

Feb 2021 - Jul 2021

Developed interactive Digital Web Experiences in WordPress, Shopify, and modern JavaScript frameworks. Optimized applications for conversion built to establish infinite & consistent web presences. Crafted elegant hand-coded solutions in HTML, JSX, CSS, SCSS, jQuery, JavaScript, Java, Liquid, and PHP.

Built applications that streamline user-focused practices to data-driven solutions with cloud driven functions in SQL & PostgreSQL, flowing cohesively to mobile, and native applications. Enhanced application architecture through knowledge, testing, and development life cycles for performant infrastructure scaling.

Optimized architectures built on GCP & AWS for serverless functions and efficient application interfaces with micro-services served through CDN across the globe.

- Developed digital experiences, brand solutions & applications to unite brands with customers.
- Delivered technical integrations in PHP, Liquid, and JavaScript, testing, and documentation for continuous improvement.
- Analyzed interaction data for solution-based forecasting through statistical models with cloud iterated functionality to increase response and retention.
- Established scaling brands locally and beyond backed with cloud architectures.

UX/UI Specialist & Developer

Mr. Smith Agency

Mar 2020 - Feb 2021

Designed User Experiences & User Interfaces optimized for web conversion. Collaborated with art & creative directors to aesthetically formulate client vision.

Analyzed and developed strategies for digital platforms, websites, applications, and brand interaction. Created efficient design systems for integrated applications through iterative user experience methodologies and agile based workflows.

Built & strategized revenue factors for experiences and architectures with HTML, CSS, PHP, and JavaScript. Advised experience based frontend systems for improving awareness, understanding of product offerings, and services.

- Crafted and enhanced user experiences & user interfaces in Sketch and through InVision.
- Developed experience strategies for products, technology & architecture with agile methodologies.
- Analyzed conversion, development, and customer experiences to optimize solutions through data driven collection and analytics.
- Evaluated technical optimizations for fit, cost, and effectiveness to improve marketing technology.

Director of Conversions

The Mac Groups, Inc.

Aug 2019 - Mar 2020

Structured web domains to optimize search phrase recognition with HTML, CSS, Bootstrap, JavaScript, Java, PHP, and SOAP APIs for extending integrated marketing functionality across multiple applications.

Analyzed and built ETL-based data visualization dashboards in Google Data Studio, JavaScript & Python with SQL queries and cloud functions to filter user personas and enhance the value of leads.

Created advertising campaigns for value-focused acquisition that aligns with organic search trends. Monitoring campaign success continuously through calls, data, and custom built dashboards.

- Developed technical SEO processes for improving search indexing.
- Implemented A/B tested solutions for customer interaction.
- Analyzed customer data to refine PPC/SEO and brand acquisition strategy.

Software Engineer

JustCode

Jan 2016 - Feb 2020

Developed Frontend & Backend Microservices in HTML, CSS, JSX, Tailwind, Bootstrap, JavaScript, Java, React, Redux, and Node through AWS EC2, AWS Lambda, Kubernetes, and MongoDB.

Contributed to the development of product JavaScript API endpoints and NoSQL backend services through AWS elastic cloud architecture.

Worked with the team to refactor codebases and create reusable frontend JavaScript components for small to medium sized eCommerce and eSports businesses.

Monitoring errors with Sentry, improving continuous development with CircleCI, and refactoring code to fit JavaScript and JSX best practices.

- Implemented frontend languages in HTML, CSS, Bootstrap, JavaScript, React, and Node for improving the functionality of platforms.
- Increased application efficiency with restructured JavaScript APIs and cloud-based headless CMS services for continuous development.
- Lead migration efforts to produce efficient code in React and modernize applications software development patterns to follow imperative programming practices.

Artificial Intelligence Researcher

JustCode

Jan 2018 - Feb 2019

Researched and studied the development of Generative Adversarial Networks (GAN) and Natural Language Processing (NLP).

Constructed Natural Language Processing chatbots utilizing Facebook Messenger API and Chatfuel, while also implementing DialogFlow through Firebase.

Prepared documentation and assessment of viability for markets with insights on the contemporary application of machine learning.

- Researched methods and application of machine intelligence.
- Annotated and documented variables of success in AI.
- Studied contemporary applications of AI in PyTorch and TensorFlow.

Web Development Lead

S-One Holdings Corporation

Jan 2017 - Oct 2017

Developed functional web components with HTML, CSS, jQuery, Bootstrap, JavaScript, Java, and C#/.NET for Model-view-controller pattern to enhance eCommerce conversion.

Created the system of components in HTML, Bootstrap, jQuery, and JavaScript for fulfilling brand continuity and interaction across the LexJet website, applications as offerings, and marketing campaigns.

Lead initiative to integrate customer logic frameworks with functional JavaScript while connecting Facebook SDK and GraphQL schemas for feed-forward product marketing.

Connected and monitored data sources to decrease churn and improve product monetization through NetSuite data management and hand-coded solutions in Bootstrap, JavaScript, and C#/.NET framework.

- Analyzed live users and browsing data to enhance functionality.
- Reviewed chat information to optimize the flow pattern of support teams.
- Developed modern-code architectures in HTML, CSS, jQuery, Bootstrap, JavaScript, and C#/.NET. Crafted user-flows for eCommerce purchasing.
- Implemented conversion, cart, and search funnels into MVC pattern while combining product based APIs to lead to quicker conversions.

Web Developer

S-One Holdings Corporation

Jan 2016 - Jan 2017

Developed frontend performant systems for LexJet eCommerce platforms working with HTML, CSS, jQuery, Bootstrap, JavaScript, Java, and C#/.NET.

Crafted top-down experience of community interactions in Bootstrap & JavaScript to guide users through sales actions.

Established new precedences through personas for navigating and accessing information across Hewlett-Packard and Kodak experiences. Developed fullstack schema for depicting and warehousing product data in markdown and SQL.

Structured data resources for products in English, French, German, Italian, Russian, and Spanish to localize the Hewlett-Packard website and support information. Created frontend RESTful API modules to improve customer interaction.

- Built, tested, and implemented dynamically rendered interface components.
- Developed an ecosystem of microservice-based web interfaces.
- A/B tested designed components throughout experiences for retention.

Web Development Intern

S-One Holdings Corporation

Jun 2014 - Jan 2016

Built progressive web applications with WordPress, HTML, CSS, and JavaScript.

Analyzed customer data to develop and enhance customer acquisition strategy. Developed eCommerce website, with dropship services API in HTML, CSS, JavaScript, Java, and C#/.NET utilizing NetSuite ERP services.

Forecasted business development based on gathered data from social media networks. Created application interfaces in HTML, CSS, jQuery, and JavaScript for improving user experience and brand recognition across all web services.

- Applied strategic business goals for customer acquisition while applying hand-coded solutions in HTML, CSS, JavaScript, and C#/.NET.
- Researched datasets of customer personas for sales volume to forecast product volumes, and improve logistical process for eCommerce shipping.
- Analyzed success metrics to forecast future returns on interaction within sales channels developed in eCommerce.

Education

Bachelor of Business Administration - BBA, Marketing

State University of New York College at Buffalo

2011 - 2015

Activities and Societies: Developed local businesses with strategic practices and modern digital applications to improve sourcing, logistics, communication, and revenue.

Studied Business Administration through dynamics and interactions as part of an undergraduate bachelor's degree with a focus in marketing.

Participated in classes including finance, accounting, strategic business, law, design, and marketing courses.

Developed business approaches with secondary classes in sociology, poetry, media, and contemporary arts.

Skills

HTML | CSS | SASS | Bootstrap | JavaScript | jQuery | React | Redux | TypeScript | GraphQL | Node | Java | Spring Framework | PHP | WordPress | Serverless Computing | Microservices | Gradle | Docker | Kubernetes | Containerized Computing | NoSQL | SQL | PostgreSQL | MongoDB | Google Cloud | IBM Cloud | Git | GitHub | GitLab | Apache | NGINX | RESTful APIs | CRUD APIs | Application Programming Interfaces | Fullstack Development | Frontend Development | Backend Development | Fullstack Engineering | Software Development | Software Engineering | Artificial Intelligence | Neural Networks | Natural Language Processing | Cloud Computing | User Interface Design | User Experience Design | Business Development | Business Strategy | Team Leadership | Public Speaking | Data Science | Data Analysis | Search Engine Optimization (SEO) | Pay Per Click (PPC) | Chatbots | Google Ads | Facebook Ads | Instagram Ads | YouTube Ads

Volunteering

Mentor

SRQHacks Hackathon

Oct 2017 - Oct 2017

Guided a team of students in ideation and creation of an application. Focused a team to create an efficient and effective business model. Worked with students to establish key value propositions. Provided insight on business principles to establish value initiatives.

Designer & Engineer

StartupBus

Aug 2017 - Aug 2017

Designed and developed a prototype application (Saga Scoop) to produce written snippets for literacy & education. Promoted content as written documentation of understanding through incremental parts of larger summaries. Conceptualized story-based content to create a journey of understanding through the English language.

Designer & Engineer

Rock for a Cause

Jun 2014 - Nov 2016

Developed a web platform for Rock for a Cause contest and event. Designed graphics for t-shirts, flyers, posters, event banners, and printed experiences for the concert series. Produced video content for announcements to promote local musicians.