Jonathon Neyerlin

Full Stack Developer | React | Node.js | AWS | GCP

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# Objective

Experienced Software Engineer with over 10 years of expertise in developing robust, scalable software solutions. Proficient in a wide range of technologies, including React, AWS, GCP, Node.js, Go, and .NET, I excel at both front-end and back-end development. My background in computer science has provided me with a strong foundation, enabling me to lead projects from conception to completion with a focus on quality and efficiency.

In addition to my technical skills, I am a Fitness and Bodybuilding Enthusiast who believes in the importance of discipline, hard work, and continuous improvement both in my professional and personal life. This passion not only keeps me physically fit but also sharpens my mental resilience and perseverance, qualities that I bring into my software engineering career.

# Experience

## Vention | Senior Full Stack Developer SEP 2020 –

* Developed and maintained complex web applications using **React.js**/**Next.js**, **Nest.js/Node.js**, and **MongoDB**.
* Utilized **AWS** services such as **EC2**, **S3**, **RDS**, and **Lambda** to build a robust cloud infrastructure.
* Designed and implemented 4 microservices with **Golang** and **Node.js**.
* Orchestrated the enterprise-level web app using **React**/**TypeScript** stack with the latest **React** features including concurrent rendering and automatic batching resulting performance upgrade.
* Implemented comprehensive unit and integration testing using **Jest** and **Enzyme**, resulting in a reduction in post-deployment bugs.
* Implemented **CI/CD** pipelines using **GitHub Actions** to automate build, test, and deployment processes on **AWS EC2** instances with **Docker** containers, ensuring efficient and reliable software delivery.
* Developed and deployed **AWS Lambda** to execute code in response to events without manager servers, monitored and troubleshooted serverless functions to ensure reliability and efficiency in production environments.
* Successfully migrated application state management from **React Context API** to **Redux** for improved scalability and centralized state management.
* Integrated dozens of third-party libraries and services seamlessly into the application to enhance functionality and improve user experience.
* Collaborated with cross-functional teams to define, design, and ship new features in alignment with business goals.
* Conducted code reviews, mentored junior developers, and enforced coding standards to maintain high-quality codebases.

## Coalesce | Full Stack Developer MAR 2014 – SEP 2020

* Created a live betting platform with **React.js**, **Node.js** and **Google Firebase**.
* Designed and implemented an **Event-Driven** architecture to enable seamless communication and data flow between components, enhancing scalability and responsiveness in the application.
* Utilized **Firestore** triggers to automate processes and trigger actions based on database events, enhancing the responsiveness and efficiency of the system.
* Wrote dozens of **Cloud Functions** with **Node.js** implementing serverless architecture
* Used **TypeScript** in frontend development with **React.js** to leverage static typing and improve code quality and maintainability.
* Integrated several payment gateways including **Paypal**, **Stripe**, **NowPayment** and **CoinGate** working with **Webhook**.
* Participated in building ticket booking applications with **Vue.js** and used **Vuex** for global state management, actively used **Vuetify** libraries.
* Actively participated in Agile development processes, including sprint planning, daily stand-ups, and retrospectives.

## Saritasa | Software Developer NOV 2012 – FEB 2014

* Contributed to back-end development with **Node.js** and **Express.js**, creating efficient server-side applications.
* Managed database operations and schema design for **SQL** and **NoSQL** databases.
* Transformed designs into interactive and dynamic web pages using **HTML5**, **CSS3**, and **JavaScript**.
* Integrated **RESTful API**s and developed custom solutions to enhance user experience.

# Education

## New York University, BS Computer Science 2008 – 2012

Major: Computer Science | Minor: Mathematics

# Skills & abilities

* Languages: JavaScript (ES6+), TypeScript, Node.js, Golang
* Backend: Node.js, Express.js, Nest.js, .NET Core
* Frontend: React.js/Next.js, Redux, Vue.js/Nuxt.js, Vuex
* Databases: PostgreSQL, MongoDB, MySQL, DynamoDB
* Tools: Git, Docker, Kubernetes, Jenkins, Webpack, Babel, NPM, Yarn
* Testing: Jest, Mocha, Chai, Enzyme, JUnit
* Cloud: AWS(Lambda), Azure, Google Cloud Platform
* Others: Microservices, CI/CD, TDD, Agile/Scrum, OAuth, JWT

# Projects

## J3STER

J3ster is an online gambling web application that gives each streamer the ability to be challenged by their viewers. The Google Firebase Functions were used as backend and React.js was used to build front end. Also, Firebase Realtime Database were used.

## KIDSLOG

Kidslog is a SaaS web application to manage children under 10years old, the app had to offer diverse and complex services with high performance. Real time update was very important requirements. It was built with React.js and Nest.js from scratch and integrated various third-party libraries and frameworks. MongoDB and AWS S3 were used. Wrote several AWS Lambda functions to reduce server traffic.

## PYRAMID

Pyramid is an online community based in Singapore, designed for primary and secondary school students to ask, and answer questions on various projects. It functions similarly to Stack Overflow, but also includes additional features for teachers and parents. The front-end was developed using React.js, while the backend was built with Express.js. For storage purposes, MySQL and AWS S3 were utilized. Stripe payment was integrated, and the entire application was Dockerized and deployed on AWS EC2.

## PORTION

Portion is the premier online marketplace connecting artists and collectors through Blockchain technology to easily sell, invest and own art and collectibles with compete transparency. React.js, Web3.js, ASP.Net, IPFS, PostgreSQL and AWS S3 were used.

## BLUETAPE

Bluetape is a payment and financing platform for the construction industry, offering a “Buy Now, Pay Later” solution for building materials. Participated in building backend application with Golang and ASP.NET