**Firealem (Michael) Erko**

**Full-Stack Web Developer**

**Alexandria, VA**

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**Ideal Positions: React Developer or Full Stack (React, Node/Express, any RDBMS and NoSQL)**

**I do not need any kind of visa sponsorship now or in the future**

**PROFESSIONAL SUMMARY**

* Over **6+** years of IT experience including **3+** years of experience in ReactJS
* Hands on experience in developing and deploying scalable and secure web applications
* Extensive experience in developing web applications using HTML/HTML5, CSS/CSS3, SASS, LESS, JavaScript, React JS, Redux, JSON, Node.js, Spring Boot, Bootstrap, Styled Components, Material Ui
* Experience with building SEO friendly and accessible (WAI-ARIA compliant) SPAs with React
* Familiar with building GraphQL based APIs
* Experience in using relational database management systems such as MS SQL, MySQL, PostgreSQL and NoSQL databases such as MongoDB and Firestore
* Thorough understanding of ReactJS and its core principles
* Thorough understanding of DOM manipulation, CSS, responsive design, accessibility, and JavaScript object model
* Experience working with React Flux architecture
* Experience working with state management libraries like Redux (with thunks and sagas)
* Hands on experience in building RESTful APIs with Express/Node and Spring/Spring Boot frameworks
* Knowledge of modern authorization mechanisms, such as JSON Web Token
* Experience with common front-end development tools such as Babel, Webpack, NPM, YARN etc.
* Ability to understand business requirements and translate them into technical requirements
* Proficient understanding of code versioning tools, such as Git
* Familiar with creating Custom Reusable React Components
* Experience building fully responsive web applications
* Experience in writing SQL queries and interacting with databases
* Work with Agile team to complete code reviews, sprint planning, and backlog
* Experience using ES6+ ECMAScript Syntax
* Experience with project tracking and collaboration tools such as Jira, Notion and Trello
* Familiar with CI/CD tools like Jenkins and GOCD

**TECHNICAL SKILS**

* **Languages: JavaScript, Java, HTML, SQL, CSS, JSON, XML**
* **JS Frameworks: ReactJS, NodeJS, ExpressJS, AJAX, MapBox, Redux, WebPack, Babe etc.**
* **Java Frameworks: Spring Boot, Maven, Swagger, Tomcat**
* **RDBMS: MS SQL, PostgresSQL, MongoDB, MySQL, Firestore**
* **CSS Frameworks: Material Ui, Bootstrap/Reactstrap, LESS, SCSS, Styled Components etc.**

**WORK EXPERIENCE**

**Position: Senior Frontend Developer**

**Employer: McKinsey & Company (via Infosys)**

**Duration: 02/2020-present**

**Responsibilities**

* Built a modern high-fidelity rich text editor using slatejs, react and redux
* Collaborate with other team members on agile projects
* Supported and added custom functionalities to enterprise applications made with react and redux
* Participate in sprint demo for stakeholders
* Accurately converted InVision design mockups to interactive user interfaces
* Collaborate and communicate with designers, busines developer, product owner and team members to groom stories during sprint planning and grooming sessions
* Customized and upgrade react components to latest version
* Provide application support and respond to clients
* Participate in daily scrum meeting
* Deploy production builds using GOCD CI/CD pipelines

**Position: Full-Stack Web Developer**

**Employer: FLEXION INC, BALTIMORE, MD (via Chamber IT)**

**Duration: 06/2019-02/2020**

**Responsibilities**

* contributed to a project to develop a dashboard for remote water well sensing system using React
* used react-MapBox-gl /MapBox-gl and Recharts library to map and chart remote water level sensors
* worked with form management and validation libraries like formic, joi and yup to build complex forms with state management
* accurately implement design mockups following modern best practices (responsive, accessible, etc)
* used React, React Redux, React-Router, JavaScript, and Styled-Components to develop SPAs
* used various animation libraries like AOS, React-Particle-Animation and React-Countup
* research and implement various JavaScript based frameworks and libraries
* developed responsive websites that meet accessibility and web browser standards using HTML5, CSS, Bootstrap, Material UI, React JS and Redux
* used Styled Components to style responsive we applications
* ensuring compatibility of web applications across multiple browsers and platforms

**Position: Software Engineer**

**Employer: QUALITY CHEMICALS, WILMINGTON, NC (via Chamber IT)**

**Duration: 10/2017-4/2019**

**Responsibilities**

* developed single page applications using React JS and React-Router, Redux
* appointed as a lead developer/product owner for a project lasting 5 months with 3 release canvases
* fetched data from REST API endpoints using Axios library and fetch API
* Participated in coding, peer code review and testing
* Built client project tracking web applications
* used Bootstrap/Reactstrap and Preprocessors (LESS and SCSS) to style React applications
* implemented flux pattern with Redux for state management
* designed relational databases and REST API endpoints using Express JS /Node and Spring framework
* configured React applications using Web Pack and Babel when required (if Create React App is not used)
* Design, code, test, implement, debug, and validate applications; document design decisions and develop modular reusable components

**Position: Web Developer**

**Employer: QUALITY CHEMICALS, WILMINGTON, NC (via Chamber IT)**

**Duration: 08/2016-09/2017**

**Responsibilities**

* participated in developing responsive data tracking and delivery application using React JS
* used Redux to manage a large amount of data collected from various applications
* developed secured REST APIs for front end consumption using Express JS, PostgreSQL
* developed REST API backend using Spring Boot, PostgreSQL / SQL Server for various clients
* Troubleshoot and resolve high-priority issues affecting the live environment
* Participate in discussions with project teams to understand the application design, build process and help deploy applications in target environments

**Position: Back-End Engineer (Junior)**

**Employer: TIGERRISK PARTNERS, DURHAM, NC**

**Duration: 4/2015-06/2016**

**Responsibilities**

* Fetching and cleaning up data from various client databases (MS SQL, PostgreSQL and MySQL) and REST APIs.
* Collaborating with data analysts and scientists to create optimal data warehouse for business intelligence
* Design various secure REST API endpoints using Spring Boot for front-end consumption
* Help evaluate and resolve application architecture questions and issues, particularly those pertaining to performance and scalability
* Write high performance queries for PostgreSQL and other data platforms

**Position: SQL Developer (part-time)**

**Employer: COOPERATIVE BANK OF OROMIA, ADDIS ABABA**

**Duration: 7/2013-11/2014**

**Responsibilities**

* Creating and administering Database objects - tables, views, indexes, stored procedures, functions, triggers, temp tables and CTEs
* Writing TSQL scripts for data extraction and report
* Implement and manage database maintenance and disaster recovery plans and tune databases for optimum performance
* Provides database administration support to developers and other users
* Daily check for successful back up completion by restoring the backups in test environment
* Automate maintenance plan jobs in SQL Server agent

**EDUCATION AND CERTIFICATIONS**

**09/2009-07/2011** Master of Science (University of Bergen, Norway)

**9/6/2015** Microsoft Certified Professional in Querying Microsoft SQL Server 2012