- Maxwell Edward Reshel -

Senior Software Engineer with 9 years of proven experience

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Passionate, creative Software Engineer with 9 years of experience in design, development, testing and deploying of Web and Mobile applications using React, Express.js, Next.js, Angular, Nest.js. Experienced in E-commerce, Real-estate, E-learning, Social Media industries, working with startups and medium-sized companies. Proven ability to lead and mentor junior developers as well as work independently to meet deadlines and results. Recognized for exceptional analytical skills, collaborative approach, fast and active learning abilities, and adaptability in different environments.

PROFESSIONAL EXPERIENCE

Net Diatom, Marshall, Illinois • Senior Software Engineer   08/2020 – 11/2023

- Strong understanding and application of various architectures including Layered Architecture, MVC, Microservices, SOA, EDA, MicroFrontend.
- Specialized in design patterns and principles including Singleton, Factory, Service Locator and Business Delegate, with the SOLID principle.
- Always up to date with latest technologies like React 18, Next.js 13. Angular 12+, and Nest.js 9+.
- Successfully wrote more than 50 intricate queries for popular relational databases like MySQL, PostgreSQL, MariaDB and NoSQL databases including MongoDB, ElasticSearch and Cassandra.
- Implemented Microservices architecture with streaming services such as Apache Kafka and ActiveMQ, managed Docker, Kubernetes and EKS.
- Utilized Redux-saga, React Hooks, React-Router, JavaScript, HTML5, CSS3, SASS, and Bootstrap4 for more interactive and responsive application.
- Active participation in Agile processes with Scrum and Kanban board, collaborated with cross-functional team, engaging in story grooming, iterative deployments, pair programming, PR review processes.
- Built CI/CD pipeline using Jenkins, CircleCI, reducing deployment time by 50%.
- Leveraged cloud platforms including AWS, Azure and ORM like Sequelize and Knex.js.
- Experienced in managing Node environments including NPM, Grunt, Gulp and Bower.
- Built web application with REST and GraphQL API with the Websocket for real time programming.
- Implemented TDD approach with Jest, Cypress, for unit and integration test, achieving a 90% test coverage and reducing the number of production defects.
- Utilized Redis and Memcached caching to reduce repetitive computations and database queries, resulting in a 40% reduction in response time for frequently accessed data.
- Proficient in using third party tools like Git and BitBucket for version control system, Jira and Trello for issue tracking and project management, Swagger and Confluence for documentation.
- Refactored outdated codebase of WordPress CMS, optimizing the performance and database queries.

Innolance, Sterling, Virginia • Full Stack Developer   09/2015 - 05/2020

- Saved the company $20,000 a year by creating an in-house learning management application with Angular 8, NgRx, and Express.js.
- Demonstrated strong SQL skills, including expertise in stored procedures, aggregations, DDL migrations,
- Developed web services/APIs to fetch data and display on user interfaces using RxJS and Observables.
- Implemented responsive design techniques and mobile-first approaches, leading to a 40% increase in mobile traffic and a 25% improvement in mobile conversion rates.
- Developed applications utilizing multithreading, serialization, collections, and generics, resulting in a 10% improvement in code maintenance.
- Streamlined Core Java application development with very good hands-on in writing and analyzing SQL and T-SQL, writing 30+ stored procedures, triggers, functions.
- Leveraged ORM tool Hibernate involving Connection pooling, Mappings, Transaction Management, HQL (Hibernate Query Language).
- Ensured cross-browser compatibility and optimal performance, achieving a 95% compatibility rate across major browsers and reducing page load time by 30%.

Exoft, Vienna, Virginia • Software Developer   01/2015 - 07/2015

- Participated in the complete software development lifecycle, from requirement specification to the rollout of the final product.
- Contributed towards knowledge management activities including project documentation, user manuals, component user guides and other technical documentation.
- Experienced working in front-end technologies like Flex and JavaScript.

SKILLS

- JavaScript/TypeScript, Node.js, SQL, T-SQL, PHP, HTML5, CSS3, jQuery, Ajax
- React, Angular, Express, Next.js, React Native,
- MySQL, PostgreSQL, MongoDB, ElasticSearch, RedShift, CosmosDB, Cassandra, Redis
- AWS Lambda, EC2, SQS, ECS, Azure function, Open Stack
- REST, GraphQL, Swagger, Maven, Git, BitBucket
- Agile, Jira, Jenkin, Docker, Kubernetes, API gateway
- TDD, Jest, Cypress,
- Documentation

EDUCATION

Bachelor of Science in Computer Science

Illinois Institute of Technology, Chicago, Illinois
Year (2010 - 2014)