



DEMAR CASSIUS

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Summary

Highly skilled Full Stack Developer with 10 years of experience in designing, developing, and deploying scalable web applications. Expertise in the MERN (MongoDB, Express.js, React.js, Node.js) stack, with a strong focus on building responsive, user-friendly applications, also developed large scale web applications using Javascript ES6+, JQuery, React, Vue and Angular. Proficient in both front-end and back-end development, with a deep understanding of modern web technologies, DevOps, and cloud infrastructure. Passionate about clean code, performance optimization, and continuous learning.

Technical Skills

Front-End:

- React.js, Redux, JavaScript (ES6+), Angular, Vue, JQuery, HTML5, CSS3, SASS, Material-UI, Bootstrap (10 years)
- Responsive Web Design, Cross-Browser Compatibility, Progressive Web Apps (PWAs) (10 years)

Back-End:

- Node.js, Express.js, JAVA, .NET, Spring Boot, RESTful APIs, GraphQL, WebSockets, JWT Authentication (8 years)
- MongoDB, Mongoose, SQL, PostgreSQL (8 years)

DevOps & Cloud:

- Docker, Kubernetes, AWS (EC2, S3, Lambda, RDS), CI/CD (Jenkins, GitLab, Travis CI) (6 years)
- Nginx, Apache, PM2 (6 years)

Version Control:

- Git, GitHub, Bitbucket (9 years)

Testing & Debugging:

- Jest, Mocha, Chai, Cypress, Postman, New Relic (9 years)

Tools & Libraries:

- Webpack, Babel, ESLint, Prettier, npm, Yarn (8 years)

Professional Experience:

Senior Full Stack Developer

Lucid Motors | Newark, CA

Dec 2020 - Current

As a senior developer and team lead, I played a pivotal role in designing and delivering complex web applications for a global client base, while ensuring technical excellence and scalable architectures.

Application Architecture & Development:

- Designed and implemented **scalable, high-performance web applications** using the MERN stack, focusing on **microservice architecture** to enable modular development and independent scaling.
- Responsible for creating efficient design and developing User Interaction screens using **HTML5, CSS3, SASS, JavaScript, jQuery, AngularJS, VueJS, Ajax and JSON**.
- Developed and implemented a secure, scalable architecture for web applications using **Node.js, Express, React, Redux**, and **MongoDB**.
- Created **RESTful APIs** to facilitate seamless communication between the front end and back end of applications.
- Provided technical support in the design and development of user interface components using **HTML5, CSS3, JavaScript**, and **jQuery**.
- **Java (11+), Spring/Spring Boot, Spring Security, C#, Hibernate, TypeScript, Angular, and SQL** are some of the programming languages and frameworks used.
- Optimized application performance by **debugging codebases**, refactoring existing code, and implementing **best practices**.
- Assisted junior developers with troubleshooting complex coding problems and provided mentorship as needed.

Backend API Development & Integration:

- Developed robust **RESTful APIs** and **GraphQL endpoints** to enable seamless communication between front-end and back-end systems, ensuring fast response times and scalability.
- Integrated third-party services and APIs such as **Stripe** for payment processing, **Twilio** for SMS notifications, and **SendGrid** for email delivery.

- Improved database performance by optimizing **MongoDB queries**, adding indexing, and refactoring database schemas, resulting in a **40% faster query execution**.

Full Stack Developer

Cambridge Innovation Institute – Needham, MA

Sep 2016 – Nov 2020

At Cambridge Innovation, I contributed to the development and deployment of multiple web-based applications, with a focus on implementing advanced front-end and back-end technologies. Built complex, data-driven applications using the MERN stack. Key projects included developing internal dashboards, customer portals, and real-time collaboration tools.

- Designed front-end solutions using **React.js**, ensuring components were modular and reusable across multiple applications, which sped up development timelines by 15%.
- Developed back-end services using **Node.js and Express**, creating APIs for CRUD operations, authentication, and integration with third-party services.
- Revamped the whole code base from **Angular 2 to Angular 10** and implemented state management library for data synchronization.
- Created real-time applications using **WebSockets and Socket.io**, enabling instant updates for users, such as in chat applications and live notifications.
- Implemented JWT-based authentication to secure APIs and improve session management across the platform, ensuring compliance with modern security standards.
- Integrated cloud-based solutions, including **AWS S3** for file storage and **AWS Lambda** for event-driven tasks.
- Migrated legacy relational databases to **NoSQL (MongoDB)** to better handle large data volumes, improving system performance and scalability.
- Designed database schemas using **MongoDB** to efficiently store and manage application data.
- Integrated APIs with web applications using RESTful web services.
- Deployed applications on cloud platforms such as **AWS and Heroku**, ensuring scalability and availability.
- Managed both the back-end and front-end aspects of the development process to deliver cohesive, full-stack solutions.
- Developed and maintained front-end web applications using **HTML, CSS, JavaScript, jQuery, and React.js**.

Web Developer

Antech Diagnostics – Fountain Valley, CA

Oct 2014 – Aug 2016

At Antech Diagnostics, I honed my skills in front-end development, creating dynamic, responsive websites, and collaborating with teams to deliver custom web solutions for clients.

Front-End Development:

- Used MEAN (**Mongo db, Express.JS, Angular, Node.JS**) Stack to Develop blazing fast Single Page Applications.
- Built user-friendly websites using **HTML5, CSS3**, and **JavaScript**, incorporating **jQuery** for interactive elements and animations.
- Ensured **cross-browser compatibility** and optimized for mobile by using responsive design principles and frameworks such as **Bootstrap**.
- Collaborated with designers to turn mockups into fully functional web pages, maintaining pixel-perfect precision across different devices and screen sizes.

Back-End Support & API Integration:

- Integrated with back-end APIs using **AJAX**, allowing for dynamic content updates without requiring full page reloads.
- Implemented basic **Node.js** and **Express** applications to handle server-side logic, including form validation, user authentication, and basic CRUD operations.

Education

Bachelors in Computer Science

City University of New York (CUNY) - New York, NY

Oct 2010 – July 2014

References

Available upon request