

Matthew Mombourquette

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Education

Western University

Bachelor of Science, Major in Computer Science, Minor in Biology

Oct 2021

London, Ontario

Technical Skills

Languages: Java, JavaScript, C++, SQL, HTML, CSS,
Frameworks and Libraries: React.js, Node.js, Express.js, Bootstrap
Tools: PostgreSQL, MongoDB, Linux, Git, Apache Maven

Projects

Full Stack Review Site - Hopsy | JavaScript, Node.js, Express.js, MongoDB, Bootstrap, EJS, AWS

- Developed a RESTful API backend using Express.js and integrated Passport middleware for user authentication
- Built a fully responsive frontend using Bootstrap, CSS and EJS to ensure optimal viewing experience across devices
- Integrated MongoDB using Mongoose with custom hooks to enforce data relations and security
- Deployed to remote AWS EC2 instance linked to a remote MongoDB Atlas using Nginx server as a reverse proxy

Full Stack Phonebook App | JavaScript, React.js, Node.js, Express.js

- Implemented single-page application front-end using React.js which allows creating, deleting, updating and searching phone contacts
- Created back-end JSON API following RESTful routes interacting with a MongoDB Database
- Deployed application to Heroku linked to a remote MongoDB Atlas Database

Financial Services Dashboard App | Java, Apache Maven, AWS

- Designed and developed Java desktop application implementing Service-Oriented-Architecture using Model-View-Controller and Publish-Subscribe patterns to ensure system was highly modifiable
- Implemented multi-threaded services running independently on Linux AWS EC2 Instances to maximize numbers of possible concurrent users
- Developed as part of a team of five within Software Architecture course using Agile methodologies

Mock Store Application | C++

- Constructed a mock store system with user authentication, inventory management, shopping cart, text-interfaces and file encryption for use in a Linux environment
- Implemented parsing functions to read/save from local storage to allow persistency across sessions
- Designed and developed as part of team of four for Object Oriented Design and Analysis Course using Agile development practices facilitated through Jira

Work Experience

Kingston Pro Painters

Painter - Site Manager

May 2017 – Aug 2019

Kingston, ON

- Managed crews of 4 painters on site, ensuring high levels of quality and efficiency
- Increased customer satisfaction by meeting directly with client to set project expectations and quality standards

Leadership / Extracurricular

Western Electronic Gaming Association

Head Tournament Organizer

Sept 2017 – May 2019

Western University

- Organized and operated 50+ local and regional tournaments with 30-80 entrants
- Ran charity events in support of The Centre for Addiction and Mental Health (CAMH) generating over \$2000 in charitable donations