STEVEN BOWLER

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Portfolio: https://stevenbowler.herokuapp.com/

SUMMARY

Full Stack Web Developer with a strong background in Engineering, Project Management, New-technology Implementation and Leadership. Pragmatic problem solver, especially with new technology. Recognized by all for having a positive can-do attitude.

TECHNICAL SKILLS

Languages: ReactJS/Redux, Javascript, JQuery, Java, PHP, HTML, CSS, MongoDB, Sequelize, MySQL, Firebase, Bootstrap, Node JS, Handlebars, GitHub, JSDOC, TravisCI.
Tools: MVC, XP, User Stories, UML, DFD, Functional and non-Functional Requirements Specification, Agile Methods, Waterfall Method, Modelling, Architectural design, Algorithms and Data Structures.
Technical Leadership: Requirements Engineering, Project Management, Teamwork.

PROJECTS

MERNshellTwo | https://github.com/stevenbowler/MERNshellTwo/
| https://mernshelltwo.herokuapp.com/
- Rapid deployment tool, where MERN stack with Redux applies. Incorporates coding best practices for MVC, code structure, pattern and documentation.
- I built the project myself as a tool for freelance work
- ReactJS, Redux, MongoDB, JSON Web Token, BCrypt password encryption, @hapi/joi validation, JSDOC

JiggleReact | https://github.com/stevenbowler/JiggleReact/
| https://jigglereact.herokuapp.com/
- To stay alive the user must outrun the fuel thief, while stopping to refill whenever possible. Users compete for best overall score with top 5 results shared among participants.
- I designed and built the game: the main challenge was maintaining state between various components moving and interacting in real-time including real-time user input.
- ReactJS, MongoDB, JSON Web Token, BCrypt password encryption, @hapi/joi validation, JSDOC

GoogleBookSearch | https://github.com/stevenbowler/GoogleBookSearch/
| https://googlerbooksearch.herokuapp.com/
- User can make book notes and store them to the favorites list, as well as search Google Books for any combination of string, then store any book details found to the same favorites list.
- I designed and built the app myself: it builds an app on top of the MERNshell, thus proving out the rapid deployment capability.
- ReactJS, MongoDB, JSON Web Token, BCrypt password encryption, @hapi/joi validation, JSDOC.

ClickyOne | https://github.com/stevenbowler/ClickyOne/
| https://clickyone.herokuapp.com/

- Test and improve your short-term memory – and for a challenge - log in and compare results against other players.
- I designed and built the app myself: it builds an app on top of the MERNshell, thus proving out the rapid deployment capability.
- ReactJS, MongoDB, JSON Web Token, BCrypt password encryption, @hapi/joi validation, JSDOC.

EXPERIENCE

General Manager, AGM, Plant Manager
Magna International Inc. Mexico
Led the establishment of three profitable manufacturing companies with 5,000 employees.
Reputation for: resourcefulness and tenacity.
Key Accomplishments:
- Won numerous customer awards for quality including multiple GM Mexico Supplier Quality Excellence Awards.
- Introduced numerous new-technologies to Mexican operations – hired, trained and built teams up to carry business forward.
- As manager, consistently rated highly by employees for fair treatment and management of the business.

Director of Financial and Capital Planning and Assistant to President
Magna International Inc. Newmarket, ON, Canada
Directed financial and capital planning and consolidation for corporation of 120 divisions and 100,000 employees.
- Evaluated and integrated new technology and acquisitions. Significantly improved operational efficiency by applying maintenance best-practices.
- Implemented capital and financial plans and controls to integrate world-wide operations, including numerous acquisitions.

General Supervisor Maintenance
General Motors Oshawa Truck Assembly Oshawa, ON, Canada
Led department of 100 skilled-tradesmen in maintenance and improvement of fully automated body-in-white assembly operation.
- Designed and implemented effective software-based maintenance management tools.
- Significantly improved operational efficiency by applying maintenance best-practices.

Senior Systems Engineer and Systems Engineer
General Motors Oshawa Truck Assembly Oshawa, ON, Canada
As Senior Engineer: led team of 10 engineers to develop and implement cutting-edge computer-based manufacturing technologies, including world's largest automated guided vehicle system.
As Engineer: developed hardware and software to integrate robotic path-smoothing computer with a high-speed CNC controller.

EDUCATION

Bootcamp Certificate: University of Texas Austin   Austin, TX
A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS.

Masters Science Information Technology: University of Texas RGV   Edinburg, TX
Current GPA 4.0. Attending classes part time, through Spring 2024. To date, focus on Software Engineering and Data, Structures and Algorithms.

Masters Business Administration: University of Western Ontario   London, ON, Canada
Focus on Finance and Operations Management.

Bachelor of Science (Honors) Computer Engineering: Queen's University   Kingston, ON
Focus on hardware and software design and integration.