

Tyrell R. McCurbin, Full-Stack JavaScript Software Engineer

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SKILLS & PROFICIENCIES

Full-Stack Web Development: JavaScript, Node.js, Docker, Express, MongoDB, REST API, Mocha, Chai, AWS, AJAX, Vue, React, Redux, jQuery, Webpack, Bootstrap, Handlebars, HTML5, CSS, Socket.io, Git, Agile

PROJECTS

Calcu.ly: *Docker, Bootstrap, JavaScript, Node.js, Handlebars, Express, AWS, Linode, Ubuntu Linux* calcu.ly
Pokémon Map Builder: *Bootstrap, jQuery, JavaScript* tyrell.me/pokemon.html
Conway's Game of Life: *React, Redux, JSX, Babel, Browserify, Adobe XD* conways-game-o-life.herokuapp.com
Real-Time Stock Ticker: *Node.js, Express, Socket.io, JSON, AJAX, and REST API* tyrell.me/stock-ticker.html
Faux Course Review: *Node.js, Express, REST API, AJAX, Bootstrap, and MongoDB* faux-course-review.herokuapp.com
NYT Top Stories Today: *Node.js, Express, JSON, Bootstrap, AJAX, and REST API* tyrell.me/nyt.html
My Live Guestbook: *Node.js, Express, MySQL, Bootstrap, Adobe XD, AJAX, REST API* tyrell-guestbook.herokuapp.com
Synchronized Video: *Node.js, Express, HTML5 Video, Vue* github.com/tmccurbin/sync
Facebook Painter Chrome Extension: *JavaScript* github.com/tmccurbin/FacebookPainter
Reddit AMA Chrome Extension: *JavaScript* github.com/tmccurbin/reddit-ama-parser

WORK EXPERIENCE

CIV Team **March 2019 - Present**

Web Developer

- Built medical history survey at dodmets.com for ROTC and military academy applicants using JavaScript, Docker, React, Node.js, Pdftk, Linux, and Ubuntu
- Spearheaded team transition from a locally hosted architecture to a cloud-based hosting regime on Linode

McCurbin Online Ventures **January 2018 - Present**

Lead Software Engineer

- Designed and built <https://calcu.ly> on AWS and Linode, using Bootstrap, MathJax, HTML/CSS, JavaScript, Docker, Node.js, Handlebars, and Express
- Created the Software Development Plan for MMO Trading Post (<https://mmotradingpost.com>)

Main Street, Philadelphia, PA **August 2016- September 2017**

Software Engineer

- Led the creation of front-end components for web and mobile app using Framework7 and ExoTool
- Led development of navigation scheme for hybrid app using Swift and ExoTool
- Provided recommendations for new features in ExoTool, and utilized them for Main Street's app

Tesla Motors, Fremont, CA **May 2014- August 2014 and May 2016- August 2016**

Engineering Project Manager

- Coordinated over 85 engineering improvements to the Model S and Model X battery packs in 11 weeks
- Directed weekly meetings with the engineering team to ensure unanimous agreement on any design and process changes
- Managed approximately 160 hours of production trials, causing zero downtime for vehicle production
- Managed construction and installation projects, combined in worth of over \$500,000 in service, materials and labor

Toyota Engineering and Manufacturing, North America **May 2013- August 2013**

Project Engineer

- Analyzed stamping dies to determine and improve reusability within and across manufacturing plants
- Managed safety testing for over 200 stamping dies, across multiple manufacturing plants

U.S. Army Intelligence Corps, Schofield Barracks, HI **July 2006- July 2010**

Senior Intelligence Analyst

- Spearheaded the unit's lethal targeting efforts during a 15-month deployment to Iraq
- Led and mentored a team of five analysts through training, and professional counseling
- Conducted daily and weekly intelligence briefings to the Battalion Commander and Staff

EDUCATION

University of Pennsylvania, Philadelphia, PA **May 2017**

- MS – Robotics, BS – Mechanical Engineering