Joel Barna

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Skills

LANGUAGES

JavaScript *(Advanced)*
node.js *(Advanced)*
CSS & Less *(Advanced)*
HTML5 *(Advanced)*
Java *(Advanced)*
PHP & Python *(Intermediate)*

FRAMEWORKS

MV* *(Advanced)*
AngularJS *(Advanced)*
Redux *(Intermediate)*
React *(Intermediate)*
Express.js *(Intermediate)*
Karma & Mocha *(Intermediate)*

TOOLS

Git *(Advanced)*
Grunt *(Intermediate)*
webpack *(Intermediate)*
[No]SQL *(Intermediate)*
Apache & nginx *(Intermediate)*

PROTOCOLS

RESTful APIs *(Advanced)*
OAuth 2 *(Advanced)*
HTTP & HTTPS *(Intermediate)*
SSL *(Intermediate)*

Education

Computer Science
B.S. (2011 – 2016)

University of New Hampshire
GPA 3.23

Work Experience

Kronos Incorporated
Software Engineer

📅 March 2017 – Present
📍 Lowell, MA

- Developed Flagship cloud application with Less, AngularJS, Redux, and Grunt.
- Utilized node.js to provide scalable responsiveness to RESTful client queries.
- Utilized the Agile workflow to produce features on a timely and consistent basis.
- Maintained 100% unit test coverage with Karma, Mocha, and Jasmine.

OKE
Front-End Web Developer

📅 July – Sept 2016
📍 Gdańsk, Poland

- Travelled to Poland through an international program named IAESTE.
- Designed and created a complex web application to control home IoT applications.
- Worked with a demo driven development management style.
- Communicated effectively through cultural and language barriers.

ADP
User Experience Developer

📅 June – August 2015
📍 Salem, NH

- Designed accessible web pages to be used by the visually and physically impaired.
- Created voice interaction models to capture name, date of birth, SSN, and email.
- Prototyped a voice interactive web application with the use of the Web Speech API.
- Conducted user testing on ten blindfolded individuals to find and improve design flaws.

LIBERTY MUTUAL
IT Web Developer

📅 June – August 2014
📍 Portsmouth, NH

- Developed front-end web pages to promote deals associated with affiliate companies.
- Responsible for maintaining the homepages of Liberty Mutual.
- Edited front-end code along with back-end Java and JavaServer Pages.

Side Projects

Spotify Keep 🔗

- An application made with Electron and node.js to provide additional cross-platform features to the Spotify service.
- Implemented the OAuth2 workflow to access to users' accounts.

Title Peekaboo 🔗

- Simple front-end framework to change the title of a webpage when the user changes tabs.