



# Joel Barna

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 Amesbury, MA

## Skills

### LANGUAGES

JavaScript *(Advanced)*

Java *(Advanced)*

HTML & CSS *(Advanced)*

PHP & Python *(Intermediate)*

C & C++ *(Intermediate)*

### FRAMEWORKS

MV\* *(Advanced)*

jQuery *(Advanced)*

Express.js *(Intermediate)*

OAuth 2 *(Intermediate)*

RESTful APIs *(Intermediate)*

AngularJS *(Basic)*

### TOOLS

Git *(Advanced)*

[No]SQL *(Intermediate)*

Apache *(Intermediate)*

Linux *(Intermediate)*

Grunt *(Intermediate)*

### PROTOCOLS

HTTP & HTTPS *(Advanced)*

FTP & SFTP *(Intermediate)*

IPv4 & IPv6 *(Intermediate)*

SSH *(Intermediate)*

## Education

Computer Science

B.S. (2011 – 2016)



University of New Hampshire

GPA 3.23

## Work Experience

### OKE POLAND



#### Front-End Web Developer

 July – Sept 2016  
 Gdańsk, Poland

- Travelled to Poland through an international internship 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.

### New Hampshire Army National Guard

#### Sergeant

 May 2011 - Present  
 Manchester, NH

- Built a facial recognition workflow with a web interface to manage thousands of pictures.
- Emulate the professional attitude and responsibility of a Noncommissioned Officer.
  - Discipline – Preparation – Leadership – Dedication

## Side Projects

### Flying Oranger

- An application in node.js and Java to fly an orange envelope across your screen when you receive a message on the website reddit.
- 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.