

# Bunlong Heng

(978)-677-0861 / bunlongheng@outlook.com / Lowell, MA

<https://www.bunlongheng.com>

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## TECHNICAL SKILLS

**Front End Language:** HTML, CSS, and JS/jQuery/Ajax

**Front End Framework:** AngularJS, Vue.js, and React

**Back End Language:** PHP, Javascript (Node.js)

**Back End Framework:** Laravel 7, Express.js

**Database:** MySQL, PostgreSQL, MongoDB

**CSS Framework:** Bootstrap 4

**CSS Pre-compiler:** LESS, Sass

**Mobile App :** Apache Cordova, React Native, Swift

**Package Management:** NPM, Yarn, Composer

**Build Tool:** Grunt, Gulp, Webpack

**Unit Test:** PHPUnit, Karma/Jasmine

**RESTful API:** GET, POST, PUT, and DELETE

**Scripting:** Python, and Bash

**Local Environment:** Docker, Vagrant, Virtual Box

**Docker:** File, Compose, Image, Hub, Cloud

**Automation Test:** Selenium IDE, Protractor

**Project Hosting:** Bitbucket, GitHub, GitLab

**Project Organization:** Jira, Confluence, Twilio

**Text Editor:** Sublime Text, Atom, VSCode

**FTP Client:** Transmit, Filezilla, Coda, WinSCP

**SSH Client:** Terminal, MobaXterm, SSH Shell, Putty

**Debugging:** Chrome Dev Tool, Wireshark

**Authentication:** OpenID, SAML, JWT, OAuth2, Firebase

**Social Network API:** Facebook, Twitter, Google+

**Other API:** Google, Salesforce, QuickBooks

**Caching:** Nginx, Session, Database, Memory

**Server Management:** Linux

**Linux Distro:** CentOS, Fedora, Ubuntu, Kali, Alpine

**Web Server:** Nginx, Apache

**HA:** Floating IP, Load balancers, Web Servers

**Cloud Hosting:** Heroku, Digital Ocean, Linode, AWS

**Security Certification :** Security+, PenTest+, and CEH

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## EDUCATION

Bachelor of Science in Computer Science  
University of Massachusetts of Lowell, MA

(May 2014)

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## PROFESSIONAL EXPERIENCES

Full Stack Web Developer, Benu Networks, Billerica, MA

(Oct.2015 – Present)

- Work explicitly with MVC Frameworks such as Laravel 5, and AngularJS
- Design database architecture, implementation, and administration
- Created and design data models, application architecture, and implementation plans
- Integrate various type of Authentication: OpenIDConnect, SAML, JWT, OAuth, Firebase, and Database
- Work with Google APIs: map, translation, charts, and more
- Engineer multi-language applications using Google Translation API with the ability to overwrite
- Incorporate Facebook Graph API to display user Facebook information into the application
- Lead and develop Facebook Wi-Fi Integration portal into Benu Networks smart virtual routers
- Coordinate with Facebook Wi-Fi team to during the process of certification
- Conduct Unit, System, and Integration testing, and fixing any found issues
- Enforce best engineering practices, design, and code reviews
- Involve in a scrum teams to build world class highly available and highly scalable solutions
- Interview, and train new developers to catch up with the projects, and tasks
- Work with Node.js, AngularJS, Express.js, Docker, AWS during the process of building new portals
- Build Admin, MHN portal and release to **Telus** in Canada
- Build Admin, BOSS portal and release to **Telecentro** S.A. in Argentina
- Build Microservices using Node.js and integrate with **Fortinet** Security for Telenet, Belgium
- Build Admin, MBN, SMB, and CarWash portals for **Telenet**, Belgium
- Build Admin, NetOS, and Operation portal for **Comcast**, US
- Build iOS app that manage home network and profiles for **Liberty Global** in UK

Full Stack Web Developer, Aveniros LLC, Woburn, MA

(Mar. 2015 – Oct.2015)

- Work explicitly with MVC Frameworks: Laravel 5.0, and AngularJS
- Plan and implement web projects to meet the needs of the organization
- Collaborate with designers/developers transforming detailed specs into responsive pages
- Maintain a high awareness of technologies with regards to front-end/back-end development
- Prototype my ideas and my effective communication to the team and others in the organization
- Collaborate with other developers working report pages for : [www.bigideasmath.com](http://www.bigideasmath.com)
- Work with Google chart API: bar, column, line, combo, scatter, donut, pie, and table
- Implement the Aveniros Internal portal with the ability to log-in
- Implement the Aveniros external public site with the ability to log-in, and subscribe
- Develop new user interface solutions to support customers leveraging a SAAS platform.
- Add new functionality to existing systems, while constantly improving usability and quality
- Design technical solutions to address specific product needs
- Collaborate with product management, QA, and other developers in product roadmap planning and design
- Work with REST APIs to connect clients with back-end web services
- Deploy sites using SSL with CloudFlare, and Sucuri WAF

Full Stack Web Developer, BioSS Antibodies Inc, Woburn, MA

(Jun. 2014 – Mar. 2015)

- Work explicitly with MVC Frameworks: Laravel 4.2, and AngularJS
- Design and build database architecture, implementation, and administration
- Develop PHP web applications with solid object-oriented principles
- Design and build scalable, high-performance, web-based UI applications
- Actively and autonomously seek to extend knowledge of new tools and technologies
- Perform software testing, and continuously improve/expand existing codebase
- Actively working with RESTful API, Agile Methodologies, and VCS (Git)
- Implemented the Inventory API to allow BioSS users, and distributors to search for product inventory
- Implemented the Distributor API to allow BioSS main site to display the latest distributors information
- Write a PHP script to export the Quickbook records, into .csv file, and post them to an API
- Write a python script to backup all the important configuration files and upload them to SFTP server
- Develop AngularJS app to call an API with images, and display a nice list in Shopify site
- Work with REST APIs to connect clients with back-end web services.
- Expose to : Quickbook API, Salesforce API, and Shopify Platform
- Work closely with product management to design the best possible user experience
- Perform penetration testing base on OWASP top 10, and provide a final report
- Patch all the security holes that discovered during the vulnerability assessment
- Configure firewalls at the VM, and the Network level for all the services in the hosted servers
- Perform Security hardening to all the servers, and configure WAF at the application level
- Deploy sites using SSL, HTTPS only with CloudFlare, and Sucuri WAF

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## FREELANCE EXPERIENCES

Full Stack Web Developer, The iConsortium, Inc., Remote

(Oct.2015 – Present)

- Build the new project using Angular 5 Framework
- Build the back-end API using NodeJS / Express
- Build the Swagger API API docs for the API
- Build configure Jenkins for the project
- Write bash scripts to quickly automate any recurring tasks
- Create a unit test for the API and route using JEST, Mocha, Sinon, and Chai
- Create a e2e test for the project using Protractor
- Architect and plan the whole CD/CI for AWS
- Deploy site to production server to AWS
- Develop the user authentication/registration functionality for super admin, admin, and user and more ..
- Develop any new features needed to add onto the project

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Full Stack Web Developer, CAS, Cambridge, MA, Remote

(8 months)

- Integrate and build a lot of pages on top of Laravel 5.4
- Design database architecture, implementation, and administration
- Develop the user authentication/registration functionality for visitor
- Develop the ability to donate money via the site
- Integrate PayPal API with the project
- Develop the ability to login and leave a comment
- Develop the ability to signup for CAS program
- Deploy site to production server
- Continue supporting on any small urgent tasks

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Full Stack Web Developer, BioSS Antibodies, Woburn, MA, Remote

(Jun.2016 – Present)

- Maintaining existing projects
- Write PHP scripts to exports data into excel and SFTP servers
- Write page to pull data from API and display them using AngularJS
- Configure Crontabs to back up databases, and export files to places
- Implement an API to share public information between a the internal portal and Shopify site
- Continue working on any small urgent tasks

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Full Stack Web Developer, TheAWS, Remote

(3 months)

- Integrate most pages into Laravel 5.5
- Design database architecture, implementation, and administration
- Develop user authentication/registration functionality for admin and sale-representative
- Develop the ability to create sale-representative
- Configure client's site as subdomain to the main domain
- Deploy site to production server
- Continue supporting on any small urgent tasks

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Full Stack Web Developer, GE Courier, Remote

(1 week)

- Integrate Google Map into the existing form
- Implement the estimated delivery cost between 2 locations
- Integrate the Square API for the payment process

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Full Stack Web Developer, Dynamic Interiors, Cambridge, MA, Remote (2 months)

- Developing a responsive parallax scrolling one page web site
- Design database architecture, implementation, and administration
- Hook up contact form and trigger notification to emails and SMS
- Users can see and apply for listed jobs
- Develop secure authentication with the ability to log-in to admin portal
- Admin can create / read / update / delete previous work samples
- Admin can create / read / update / delete posting jobs
- Admin can see who applied for the job

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Full Stack Web Developer, Red Star Media, Cambridge, MA, Remote (2 months)

- Developing PHP responsive web applications with MVC Frameworks: Laravel 5.1
- Design database architecture, implementation, and administration
- Develop secure authentication with the ability to generate report for all users information
- Develop user registration with useful survey information
- Integrate user authentication via iFrame
- Embedded Live Broadcast Video for thousand of people
- Work with a custom Chat Integration TLK.io

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Full Stack Web Developer, SecureMyMeds, Florida, Remote (1 month)

- Develop a complete authentication for the site
- Design database architecture, implementation, and administration
- Integrate Salesforce API into the site
- Doctor can log-in and see patients details health information, and more
- Patients can log-in and see their current details health information, and more

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Full Stack Web Developer, Jason A. Duclos, Remote (2 month)

- Developing PHP responsive web applications with MVC Frameworks: Laravel 5.1
- Design database architecture, implementation, and administration
- Integrate entire project from Code Igniter to Laravel 5.1
- Develop the secure user registration/authentication
- Embedded live broadcast video with JW Player
- Develop different broadcast pages for event lobby, keynotes, and other break out sessions