

Carl Olsen

FULL STACK SOFTWARE ENGINEER

🌐 <https://unstoppablecarl.github.io/resume>
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🏠 Nottingham, Maryland, US

in LinkedIn (<https://www.linkedin.com/in/carl-olsen/>)

A Senior Full-Stack Software Engineer with 15 years of experience architecting robust web applications and specialized tools. Expert in modern frontend ecosystems (Vue 3, Pinia), high-performance TypeScript, WebAssembly, and backend architecture (PHP/Laravel). Adept at integrating AI APIs, and implementing complex procedural generation algorithms. Proven technical leader in 100% remote environments.
<https://github.com/unstoppablecarl/resume>



WORK EXPERIENCE

Consultant

Freelance Software Engineer

2022-05-22 - Present

PHP, Laravel, MySql, JS, VueJS, python

- Enterprise web application development
- Web application scalability development and consulting
- Database and cache optimization
- Automated testing and CI pipelines
- AI systems integration
- SASS Startup architecture consultant

INE

Sr Software Engineer

2021-2-09 - 2022-05-22

<https://ine.com/> (<https://ine.com/>)

AWS microservice architecture, PHP, Laravel, MySql, JS, VueJS, webpack

- Designed and maintained Lumen microservice architecture for user subscription and access management
- Created realtime microservice error tracking system allowing error propagation tracing across services
- Created microservice api framework and composer packages for cross service communication updates
- Created microservice api communication testing framework

404 Media LLC

Dev Team Lead

2019-2-25 - 2019-12-11

<https://motionarray.com/> (<https://motionarray.com/>)

Team Lead, Full stack development, PHP, Laravel, MySQL, JS, VueJS, webpack, Algolia, elastic search

- Coordinated planning, architecture, feature development, and maintenance of motionarray.com . A subscription service library of over 200K video asset files
- Defined and facilitated development testing practices, code standards, and procedures for remote dev team of 6 across 4 timezones/countries
- Managed job posting, interview process, and hiring
- Maintained subscription and content creator payments systems with paypal and stripe

Online Learning Consortium

Senior Software Engineer

2018-5-13 - 2019-02-22

<https://onlinelearningconsortium.org/> (<https://onlinelearningconsortium.org/>)

Full stack development, PHP, Laravel, Drupal, MySQL, JS, webpack, React, CouchDB

- Oversaw migration of distributed company data into a single salesforce location
- Created applications to support conference logistics
- Provided technical and software support to company staff
- Architected content provisioning systems

Fire Engine Red

Senior Software Engineer

2017-09-11 - 2018-05-02

<http://fire-engine-red.com> (<http://fire-engine-red.com>)

Full stack development, PHP, Laravel, MySQL, mariaDB, redis, JS, webpack, VueJS

- Maintained and developed SAAS CRM that manages large amounts of student relational data for college admissions
- Collaborated with business staff to design features and create deployment plans
- Optimized performance of PHP code and MySQL queries for back-end Job Queue execution
- Helped created code standards and lead discussions to improve code quality and maintainability
- Designed architecture for front-end Vue components and data transport layer
- Worked effectively with a large 100% remote team

BCG

Senior Software Engineer

2016-09-06 - 2017-06-13

<https://agencybcg.com/> (<https://agencybcg.com/>)

Full stack development, js, PHP, MySQL, nodejs

- Supervised a range of client web projects and applications

- Developed and executed marketing concepts for video and web platforms

e-moxie

Senior Web Developer

2011-08-22 - 2016-07-19

<http://emoxie.com> (<http://emoxie.com>)

Full stack development, js, PHP, MySQL, nodejs

- Developed and maintained in house content management framework (PHP, MySQL)
- Supervised a wide range of client projects including: ecommerce, custom CMS, document / logistical data tracking and reporting, internal client company operation workflows, HTML5 phonegap apps, complex api development, branding, UX, mobile web apps, video on demand service integration
- Created project design / development spec and planed execution
- Worked with a wide range of existing codebases / frameworks in PHP and js

R2integrated

Web Developer

2011-01-07 - 2011-08-20

<http://www.r2integrated.com/> (<http://www.r2integrated.com/>)

Front end web app developer

- Developed front end code focusing on scalable and maintainable implementations compatible with the mobile web
- Created or extended custom content management and integration solutions for Dot Net Nuke, Wordpress, and Drupal based websites
- Developed basic web and native applications for iOS and Android platforms (phonegap)

Nutramax Laboratories, Inc

Web Developer

2009-02-02 - 2011-01-04

Web operations in a C# .NET environment.

- Front end design, code, and ux
- Developed content management solutions and workflows for staff using MSSql
- Managed marketing metrics and reports of web traffic and advertising campaign conversions

Mediamasters

Web Developer

2006-01-01 - 2008-09-07

Client work

- Worked in a collaborative team environment to create web, print, and video products specializing in very short turnaround time
- Provided client services by developing design briefs, negotiating contracts, and managing projects



VOLUNTEER

Nodeschool Baltimore

Mentor

2015-03-29 - 2017-11-01

<https://nodeschool.io/baltimore/> (<https://nodeschool.io/baltimore/>)

Volunteered to help students through a self guided intro to javascript

- Worked one on one with students to work through parts of the lesson they were struggling with

Digital Harbor Foundation

Volunteer

2015-12-01 - 2015-12-01

<http://www.digitalharbor.org/> (<http://www.digitalharbor.org/>)

Volunteered as a coach for the Webslam youth hackathon

- Worked with youth to develop a wordpress website in one day for a local non-profit



SKILLS

Leadership

- Scrum
- Project Management
- Architecture
- Hiring
- Mentoring

Front End

- Vue 3
- Pinia
- TypeScript
- JavaScript
- WebAssembly
- HTML5 Canvas
- WebGL

Backend

- PHP
- Laravel
- Microservices
- Node.js
- REST APIs

Databases & Caching

- MySQL
- MariaDB
- MongoDB
- Redis
- ElasticSearch

Systems

- AWS
- Blackfire
- Bugsnag
- Circle CI
- S3
- Sendgrid
- Stripe
- Paypal
- Travis CI
- FedEx
- UPS



INTERESTS

Travel

3D Modeling and Animation

3D Printing