



Aric Camarata

SENIOR SOFTWARE ENGINEER & TECHNOLOGY LEADER

Profile

Aric served in the U.S. Army from 2001 to 2005, where he developed the discipline and composure under pressure that still defines how he works. He had been building sites and working with PHP since high school on small projects.

He launched his development career at Roxbury Group and has spent 20+ years building enterprise applications for companies like Apple, AT&T, Northrop Grumman, and Capgemini before mastering modern React, Angular, Node.js, and TypeScript frameworks. Today he works as Founder and Lead Developer of US Foundation, building software for charitable operations and open-source projects.

Among his notable work: building the nSelf CLI and ecosystem, an open-source self-hosted backend platform, ClawDE an AI-first redesign on the traditional IDE, porting the C-based NREL Solar Position Algorithm to native TypeScript, and Unity Sites — a production CMS that this site itself is built with and hosted on.

Employment History

Founder & Lead Developer, US Foundation

Jan 2014 — Present · Remote

- Founded and scaled international humanitarian charity operations, directing full-stack platform development, volunteer coordination systems, and digital infrastructure serving global communities.
- Full-stack development with Node.js, TypeScript, Nest.js, Express, hapi, Next.js, React, AWS (Lambda, DynamoDB, SNS/SQS), GraphQL, Elasticsearch, Kibana, Redis, RabbitMQ, Kafka, Docker, Kubernetes, and PostgreSQL.
- Developed for Web3 projects: blockchain development, smart contracts, ERC-20/721 tokens, digital wallets, automated financial systems, high-performance blockchain indexing, and a decentralized hosting platform.

Sr. Developer, United States Institute of Peace

Apr 2013 — Dec 2013 · Washington, DC

- 8-month engagement building interactive data visualization and conflict mapping tools for an international peace-building organization. Delivered geospatial dashboards using D3.js and Leaflet that helped analysts track and understand conflict patterns across multiple regions.

Sr. Developer, Double Prime

Feb 2013 — Apr 2013 · Remote

- Maintained a large global Drupal deployment for international brands. Redesigned server architecture, Apache configuration, and syncing infrastructure.
- Implemented large-scale global Drupal deployments including regional and country sites, with Akamai caching and Alfresco media management.
- Completed a 3-month contract successfully.

Lead Developer / Architect, Northrop Grumman

Jul 2011 — Feb 2013 · McLean, VA

- Lead Engineer and Architect for web development in the U.S. Treasury GSOC handling Cyber Security and APT. Required Top Secret clearance.
- Architected end-to-end designs for real-time threat analysis and reporting portals serving security analysts and executive management.

Details

Cleveland, OH

aric.camarata@gmail.com

Links

Github

LinkedIn

Twitter

Skills

JavaScript

Git

Node.js

TypeScript

React

Next.js

SQL

hapi.js

Tailwind CSS

PostgreSQL

LAMP Stack

PHP

Express.js

GraphQL

Web3 / Blockchain

Docker

Bash / Shell

AWS

Redis

Elasticsearch / Kibana

Serverless / Lambda

Angular

Go

Kafka

AI / ML

Rust

Solidity

Python

Flutter

Hadoop / HBase / Hive

Perl

- Led a team across the full software lifecycle: design, development, Unix/Linux server administration, disaster recovery, and 24/7 SLA support.

Sr. Developer, College Board

Apr 2011 — Jul 2011 · Reston, VA

- UI Engineer focused on front-end development for the Tier 1 Big Future site, built on Spring MVC.
- Worked with HTML5, CSS3, JavaScript, jQuery, GWT, and UI Binder. Completed 3-month project successfully.

Sr. Developer, Able Engineering

Jan 2011 — Apr 2011 · Phoenix, AZ

- UI Engineer developing an employee evaluation site on Spring MVC with HTML, CSS, JavaScript, jQuery, JSP, and JSTL.
- Completed 3-month project successfully.

Sr. Developer, Cpgemini

Oct 2010 — Jan 2011 · Phoenix, AZ

- End-to-end design and development of Zend Framework applications: ticketing, helpdesk, monitoring, and on-call tools.
- Worked with PHP, HTML, CSS, JavaScript, jQuery, and YUI. Completed 3-month contract successfully.

Sr. Developer, Pearson

Jul 2010 — Oct 2010 · Chandler, AZ

- Development and integration of multiple internal tools sites using PHP, ColdFusion, jQuery, Drupal, WordPress, Joomla, and Mura.
- Integrated Genesys and Avaya telephony systems. Supported Engineering, Sales, and Support teams.

Developer, Apple

Oct 2007 — Jul 2010 · Chandler, AZ

- Development and integration of internal tools using PHP, jQuery, and a Drupal-based portal application.
- Maintained knowledge base and resources. Supported Engineering and Support teams.

Support Dev, AT&T

Apr 2006 — Oct 2007 · Phoenix, AZ

- Built and integrated internal tools using PHP, HTML, CSS, and jQuery.
- Consolidated multiple call center tools into a single AJAX-based interface. Updated AFSS and other NOC and support resources.

Manager / Developer, Roxbury Group

Jan 2004 — Mar 2006 · Fairfax, VA

- Managed employees and daily branch office operations including computer systems, contracts, and partnerships.
- Deployed a Windows network (XP, Active Directory, Exchange). Developed a multi-branch inventory and rental software solution.
- Built an employee portal with time sheets and asset tracking using C, TCL, PHP, HTML, and CSS.

Combat Veteran, U.S. Army

Jan 2001 — Jan 2004

Education

B.S. Management Information Systems, Belltown University

Jan 2008 — Jan 2011

TensorFlow

C / C++

R

Languages

English

Native

Interests

Open-source, distributed systems, trail running, hiking, and tea.

Courses & Certifications

Full Curriculum — 10 Certifications

freeCodeCamp

Completed the full freeCodeCamp curriculum: Responsive Web Design, JavaScript Algorithms & Data Structures, Front End Libraries, Data Visualization, Back End APIs, Quality Assurance, Python for Scientific Computing, Python for Data Analysis, Information Security, and Machine Learning with Python.

Computer Science & Mathematics — Full Library

MIT OpenCourseWare

Self-directed study through MIT OpenCourseWare covering algorithms, data structures, mathematics, and computer science fundamentals.

References

References available upon request