

CONTACT

Joe Honton
Petaluma, California
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ABOUT

Joe Honton is a software engineer with four decades of experience designing, coding, documenting, and maintaining enterprise solutions.

EXPERIENCE

Founder
Read Write Tools
Sep 2016 – present
Petaluma, California

Developed full-stack tools for use in the creation of website front-end and back-end code, including HTML document templating, DOM components, website plugins, and command line utilities.

Developed an HTTP/2 server with gzip compression, server PUSH, caching with eTags, preflight CORS, content negotiation, clustering, security policies, and virtual hosting.

Invented the BLUEPHRASE content authoring language with a compiler to generate markup and markdown. Developed a suite of six Electron apps that make use of the BLUEPHRASE language.

Wrote tech articles published under the online imprints: 2020 Stack, Read Write Grok, and JavaScript Fanboi.

Principal Engineer
Metrodigi
Sep 2013 – Sep 2016
Larkspur, California

Directed the daily activities of eight engineers, including oversight of the weekly deployment cycle, and mentoring the engineering team in best practices for code reviews, unit testing, and code management.

Coded low-level parsers to convert PDF and InDesign documents to HTML.

Wrote service-oriented APIs to allow front-end code to retrieve and update AWS S3 files and database records.

Sr. Software Engineer
EliteTel
May 2010 – Jun 2011
Santa Rosa, California

Created full-stack enterprise solutions for: managing document processing work-flow; securely exchanging data with banking institutions; and computing multivariate, scenario-based payment schedules.

GIS Project Manager
Laguna Foundation
Apr 2004 – Dec 2008
Santa Rosa, California

Established the GIS department; recruited interns to help with GPS data collection; created specialized data layers; performed spatial analysis for watershed projects.

Co-authored and published the 600-page ecological restoration blueprint: *Enhancing and Caring for the Laguna*.

Professional Consulting
Jul 1992 – Dec 2015

<i>Company</i>	<i>Location</i>	<i>Title</i>
Crescent Bloom	Sebastopol, CA	President
Stetson Engineering	San Rafael, CA	Fullstack Engineer
Sonoma Water Agency	Santa Rosa, CA	GIS Consultant
Summerfield Waldorf	Santa Rosa, CA	Database Consultant
Agilent	Santa Rosa, CA	Software Developer
Symyx Technologies	San Jose, CA	Software Developer
Eastman Kodak	Rochester, NY	Computer Scientist
Sterling-Winthrop	Malvern, PA	Computer Scientist
Nanosystems	King of Prussia, PA	Computer Scientist

ADVANCED SKILLS

Go · JavaScript · PHP · Java · C++
Node.js · Express · Server plugins
Electron · DOM components · CLI utilities
GIS · ArcGIS Server · Google Maps · JavaScript Orthographic Earth
MySQL · PostgreSQL · Microsoft SQL Server · Redis
AWS · Digital Ocean · DNS · TCP/UDP · Docker · HTTP/2 · SSL/TLS
HTML · CSS · Canvas · SVG · D3
Adobe Creative Suite · GIMP · Inkscape

EDUCATION

Ohio State University, BA Geography
Rensselaer Polytechnic Institute, Postgraduate studies in computer science

PERSONAL SITES

<https://ecmascript.engineer>
<https://joehonton.medium.com>
<https://www.npmjs.com/~joehonton>
<https://github.com/readwritetools>

PORTFOLIO HIGHLIGHTS

<https://simply.earth>
<https://domcomponents.com>
<https://bluephrase.com>
<https://rwserve.readwritetools.com>