

# JOHN HALL

INFORMATION EXPERIENCE DESIGN / VISUALIZATION / WEB DEVELOPMENT

john@real-currents.com | www.real-currents.com/dev | 510.306.1376 | Hartford, VT, USA

## CONTACT

510.306.1376

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[www.real-currents.com](http://www.real-currents.com)

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Vermont, USA

## EDUCATION



Bachelor of Science

IT – Software Emphasis

[Western Governors University](https://www.wgu.edu)

Salt Lake City, UT | 2013 – 2017

## CERTIFICATIONS



[Oracle Certified Associate,  
Java SE 8 Programmer](#)

Oracle | 2016



[MTA: Database Fundamentals](#)

Microsoft | 2016



[MTA: Software Development  
Fundamentals](#)

Microsoft | 2016



[MTA: Windows Operating  
System Fundamentals](#)

Microsoft | 2016



[MTA: Windows Server  
Administration Fundamentals](#)

Microsoft | 2016

## PROFILE

John Hall codes professionally and personally for the World Wide Web and its associated technologies. His skills range from scripting simple utilities to crafting reactive, resilient and scalable applications to spec, appropriate to a variety of client/server configurations. The toolbox from which he regularly pulls includes JavaScript, NodeJS, R, ReactJS, Svelte, TypeScript, SVG, WebGL and various cloud-native platforms including AWS, Docker, Elasticsearch, Redis and Spring.

## EXPERIENCE

### Software Developer & Dev Ops Admin

CENTER ON RURAL INNOVATION | HARTLAND, VT | 2021 - PRESENT

As a former remote worker, transformed into office drone and then back to remote working again by way of a global pandemic, the foresight and vision of CORI resonated deeply with me and I was especially attracted to the opportunity to reshape our narratives about work and workplaces in the face of incredibly disruptive changes to the future of work. My role has enabled me to utilize the web as a platform for delivering high-quality, highly interactive data experiences by learning and mastering new software tools and frameworks, including but not limited to:

AWS • Docker • PostgreSQL/PostGIS • Python • React • R • Shiny • TypeScript • Vite

### Web Developer

PRECISELY (PITNEY BOWES Software & Data) | WHITE RIVER JCT, VT | 2017 - 2021

As a key member of the development team, I created web-based interfaces (both graphical and restful) for the Smart Data Platform (SDP) internal web portal.

- Created tools to provide useful and accurate views on usage of data resources, the life cycles of various product build processes and the quality of results
- Completed integrations between the internal platform and data retrieval API's provided by external suppliers, facilitating the implementation of end-to-end automation of the data update cycle.
- Expected to communicate at a high-level with various stakeholders and participants in SDP's build processes in order to overhaul and improve the product builds and deliver the results to market

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Vermont, USA

# CERTIFICATIONS

(continued)



Candidate-ID# COMP001020526682

[CompTIA Project+](#)  
[License M3N4822MJCR1YQCB](#)  
CompTIA | 2015

[CompTIA Network+ ce](#)  
[License P53QBF4EBK4Q254B](#)  
CompTIA | 2015

[CompTIA Security+ ce](#)  
[License KEE7Y75ELCV4K1FS](#)  
CompTIA | 2015

[CompTIA A+ ce](#)  
[License EP8D39CM1D44C1Z6](#)  
CompTIA | 2013

**CIW** Candidate-ID# 541811

CIW Web Development Professional  
CIW | 2015

CIW Web Foundations Associate  
CIW | 2013

# EXPERIENCE (continued)

## Web Developer

MAPONICS | WHITE RIVER JCT, VT | 2014 - 2017

- I developed and deployed a full application stack for two major GIS-based web projects; 1) a sales/demo tool and 2) a customer feedback tool.
- Created graphical, interactive applications allowing search and visualization for a full spectrum of geo-spatial boundary & centroid data products
  - Enabled existing customers to provide feedback
  - Front-end utilized MVC, mobile and map-based frameworks (AngularJS, Leaflet, MapBox, Material Design, D3)
  - Back-end implemented in Node.js , GeoServer, and PostgreSQL, allowing complete integration of REST API's and providing mapping and analytic services (OGC compliant)

## Web Programmer

PIX OASIS | Contract/Remote (USA) | 2013 - 2014

- I completed the conversion of an existing service-based website (offering photo delivery and archival services) to a new front-end design.
- Received new design in the form of layered PSD files
  - Retained or re-implemented all of the functionality of the previous site
  - Responsible for programming and testing this site, ensuring cross-browser compatibility

# PROFICIENCIES

AWS (Amplify · API Gateway · CDK · CloudFormation · EC2 · Lambda · RDS · S3) ·  
Angular · CSS · D3 · Docker · ElasticSearch · Express · GeoServer · GIS · HTML5 · Java ·  
JavaScript · Kotlin · Leaflet · Mapbox · Material-UI (Design) · NodeJS · PostGIS ·  
PostgreSQL · R · React · Redis · Rollup · Svelte · SQL · SVG · TypeScript · Vite

# REFERENCES

Pete Moeykens  
(Director/Manager)  
Precisely/Pitney Bowes  
603.286.0478

Paul Gallagher  
(Manager)  
Maponics  
518.852.9571

Todd Mayberry  
(Coworker/Collaborator)  
Pitney Bowes  
210.845.2613

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