

ROD WOODMAN

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SENIOR SOFTWARE ENGINEER Front-End Focused Full Stack Developer

Experienced Web applications developer who loves building dashboards that give users control of the insights into their data. Design sense that begins at the front end but is grounded in the full stack. Whole product mindset that balances systems thinking with attention-to-detail. Open collaborator driven to continually improve UX by simplifying design complexity.

TECHNICAL SKILLS

- Code: HTML, CSS, React, Angular, ExtJS, Highcharts, Python, Golang, AWS, Terraform.
- Tools: REST APIs, VSC, Git, Bitbucket, vim, Sublime Text 2, Photoshop, Balsamiq, Omnigraffle.
- Methods: OOP, Continuous Integration, SPA, wikis, UX, user-centered design (UCD), wireframes.
- Soft skills: analytical, user-focused, communicative, collaborative, transparent, iterative.
- Core values: transparency, growth, perspective.

SAMPLE WEB APPS

PERSONAL GITHUB PORTAL @roderickwoodman

2019 – present

- Daily development of my personal apps: Boardgameinator, ComparingStocks, TrailProfiler.
- Interactive dashboards that generate comparative insights on the everyday data of my life.
- HTML, CSS, JS, React, Vue, GitHub Pages
- [Boardgameinator](#): Board game comparisons; React, Bootstrap, BoardGameGeek.com API;
- [ComparingStocks](#): Meaningful stock allocation data; React, Alpha Vantage API;
- [TrailProfiler](#): Charts together GPX and JPG files; VueJS, ChartistJS, Bootstrap;

EXPERIENCE

ARUBA NETWORKS, Santa Clara, CA

2016 – 2020

1,800-person mobile-first networking company owned by Hewlett Packard Enterprise Company.

Senior Applications Engineer - Support Portal for Aruba Central Guest

- Jointly responsible on a team of 6 for a supportability interface to a cloud-native NMS application.
- Owned a dashboard of front-end (Angular, Bootstrap) and back-end (Python, REST) code.
- Supported operations with health monitoring (AWS CloudWatch, Elasticsearch, Kibana).
- Developed under continuous integration (Git, Bitbucket, JIRA, Docker, K8S, Jenkins, TerraForm).
- Added a RadSec capture UI, as well as integrated Twilio and SendGrid 3rd party APIs.
- Documented and presented the ecosystem architecture (Confluence, Zoom, Gliffy).

Senior Applications Engineer - Config Sync tool for ClearPass

- Solely responsible for a new tool to audit and sync the configs of 100+ Aruba ClearPass clusters.
- Owned a dashboard of front-end (ExtJS, SASS) and back-end (Golang, REST) code in SVN.
- Designed and built the entire UI and internal APIs from informal product requirements using UCD.
- Communicated across timezones with remote product manager and remote customer agent.
- Released the major functionality of scheduling, reporting, filtering, exporting, backup and restore.
- Proposed to management a significant design simplification of the legacy ClearPass policy UI.

TRUEPATH WIRELESS, San Jose, CA

2015 – 2016

11-person startup that provided terrestrial, wireless Internet to cruise ships near port.

NMS Engineer - True Air NMS

- Jointly responsible on a team of 2 for the cloud-native Network Management System (NMS) product.
- Owned a dashboard of front-end (HighCharts, Bootstrap) and back-end (Python, Flask, MongoDB).
- Redesigned the UI for better network insights from the collected telemetry data.
- Sped up the pace code releases to be every 2-3 weeks (Git, Bitbucket, JIRA, Jenkins).
- Collaborated with firmware engineers to integrate new, 3rd party endpoint hardware (csh).
- Designed and implemented a compression algorithm that reduced telemetry file size by 84%.

CISCO SYSTEMS, San Jose, CA

2005 – 2014

A 65,000-person networking company with \$35B in annual sales.

Software Developer - Catalyst 6K and Nexus 6K

- Jointly responsible on a team of 10+ for a diagnostic firmware test suite. Two-week sprints.
- Designed and implemented packet transfer tests and system-level packet stress tests (C, Linux).
- Extended system tests to multiple platforms.
- Applied extensive codebase knowledge to improve test module APIs.
- Created single-page debug block diagram of routing logic from 900 pages of specifications.
- Presented a multi-session codebase overview to China team as part of ownership transfer.

EDUCATION & CERTIFICATIONS

Master of Science in Computer Engineering
Santa Clara University, Santa Clara, CA

Bachelor of Science in Electronic Engineering
Cal Poly State University, San Luis Obispo, CA

MEAN Stack Blackbelt
Coding Dojo, San Jose, CA

Web Design Certificate
UCSC Extension Silicon Valley, Santa Clara, CA