

Ruben "cha0s" Rodriguez

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Experience

Principal Software Engineer, [Do Terrible](#) 05/2020 – Present

- Led development of Fullstack JavaScript (React + Remix) application
- Fully [open source](#)
- Implemented realtime features (game timer, chat, presence) using websockets. In addition, long-polling and Server-Sent Events to implement realtime features even without client JavaScript enabled(!)

Senior Software Architect, [AICH](#) 06/2015 – 03/2021

- Developed custom bespoke features, including an organizational voting/election system, content management tools, moderation workflow, user interface elements, themes, API integrations, and more
- Efficiently migrated legacy site to modern responsive design
- Maintained and fixed issues with the existing site
- Consulted and guided management through a number of major site updates and rewrites

Principal Software Architect, [reddichat](#) 06/2014 – Present

- Led development of Fullstack JavaScript (React + flecks) application
- Developed realtime chat with presence updates using websockets
- Implemented reddit-flavored markdown along with RES enhancements like expandos
- Implemented friend lists, blocking, and private chats

Contractor, [Drupal Connect](#) 11/2012 – 03/2021

- Fullstack Drupal engineering for a diverse array of firms such as Stanford, IBM, McKesson, I Do Now I Don't, Guess, Smosh, and more

Proficiencies and Skills

Frontend

React, React Router, Electron, Redux, Remix, PixiJS, Tailwind, Typescript, Websockets, PostCSS, Sass, Server-Sent Events (SSE), Vanilla HTML/CSS/JS, Qt

Backend

Node, Realtime streams, Nginx, Express, Prisma, Redis, Passport, C/C++, V8

Building

Webpack, esbuild, Babel, ESLint, acorn, vite, rollup, CMake, qmake

DevOps

Github Actions, Docker, Verdaccio

Testing

Mocha, Chai, vitest, Storybook, Cypress, Jest, Playwright

Gaming/multimedia

PixiJS, Proton, Matter, Procedural generation, GLSL, SDL, FMOD, Box2D, ECS

Content Management

Drupal, Acquia, Pantheon

Database

MySQL, Postgres, SQLite

Contractor, [Five Rings Web Design](#) 04/2009 – 11/2011

- Fullstack engineering

Contractor, [University of Pennsylvania](#) 12/2009 – 10/2011

[Development and Alumni Relations](#)

- Site modernization and governance compliance
- Audited existing custom functionality for best practices in accessibility and performance
- Custom newsletter functionality (more advanced digests), backup strategy, and fixes for PHP 5.3
- Oversaw creation of a staging environment

Senior Software [Prima](#) 08/2008 – 09/2009

Engineer, [LLC/Ubercart](#)

- Effectively led the development of a global e-commerce system
- Led core systems refactoring including digital asset sales, digital assets access control and stock tracking and fulfillment.
- Developed a price API to simplify coupon application, tax collection, etc.
- Maintenance and improvements to core including documenting existing code
- Migrated ubercart.org from Drupal 5 to Drupal 6