DR Daniel Richter
Software Engineer

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💼 Work Experience

athenahealth

Senior Software Engineer	*Feb 2018 — Present*
Software Engineer	*Sep 2015 — Feb 2018*

› Frontend Deployment
Designed deployment strategy for React applications

– Built webpack plugin to exclude whitelisted dependencies from bundle, leading to a 50% reduction in static content size

– Built loader that includes bundle and shared dependencies on existing workflow pages

› Virence Migration
Transitioned acquisition's frontend to React

– Introduced several teams of AngularJS developers to React

– Architected solutions to maintain compatability with existing backend

› Nursing Flowsheets
Built workflow for nurses to document patient assessments

– Spearheaded the development of the company's first React application

– Reduced load and render time of data grid by upwards of 90% through virtualization and an upgraded API

– Lowered user documentation time by ~60% by condensing workflows

› Forge Design System
Built React component library for our internal design system

– Implemented generalized table and selection list components

– Pioneered process for decentralized teams to contribute to the library

› Messaging Operations
Maintained message queuing system for contacting patients

– Sent over 2.5 million calls, emails, and SMS per day

– Integrated a messaging service provider to decrease cost per message from $0.10 to $0.03, saving ~$4 million per year

– After enhancing monitoring with Grafana, identified bottlenecks and increased message completion rate from 99.3% to 99.97%

🖥 Projects

› This Portfolio
My personal portfolio site

– Built with React and Typescript with a responsive design

– Generates PDF copy of resume using puppeteer to screenshot a template page built in React

› Top Gamer
An Elo inspired ranking system

– Leaderboard for free-for-all or team games

– Currently used for Monopoly Deal games among coworkers

› Mario Kart Optimizer
Tool for finding optimal stat configurations

– Determines configuration that maximizes the sum of the selected stats

– Allows individual components (i.e. character) to be locked while others are optimized for

🎓 Education

UNIVERSITY OF MIAMI

Bachelor of Science	*Aug 2012 — May 2015*

› GPA	4.0 — *Summa Cum Laude*
› Majors	Applied Physics & Computer Science
› Minors	Biology, Chemistry, & Mathematics
› Honors	Barry Goldwater Scholar

⚙ Skills

› Programming Languages
– Javascript (ES6+), Typescript, GraphQL, CSS/Sass

› Libraries & Frameworks
– React, Gatsby, Node.js, Express

› Tools & Platforms
– Git, Netlify, Heroku

Built in ⚛ React