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RACHEL CLARA SMITH

Senior Full Stack Software Engineer with expertise in React, Node, and Ruby on Rails, and a background in web application development, physics, advanced mathematics, computer interfacing, and cognitive science.

SKILLS

- Industry Knowledge: Test Driven Development, Scrum, Continuous Integration, Agile Methodologies
- Frontend: React JS, Typescript, ES6, JavaScript, HTML, CSS, SCSS, XML, Angular, CoffeeScript, HAML
- Backend: Node, Rails, Redux, Flux, C++, Go, Ruby, Kubernetes, Docker, PHP
- Data management: PostgreSQL, protocol buffers, gRPC, MongoDB, Redis
- Server Side: Apache, Vagrant, Nginx, Webpack, Chef
- Task & Project Management: Confluence, Bitbucket, Git
- Tools & Testing: Heroku, Selenium, Jest, CircleCI, Jenkins, Amazon AWS, SQS, and S3
- Other: API, CRUD, REST, Cross-browser compatibility, Responsive design, CSS media queries
- Advanced Mathematics: Statistics, Calculus, Differential Equations, Number Theory, Advanced Mathematical Methods

EDUCATION

Master's Degree, Physics — *University of Missouri, Kansas City* - 2013 - 3.97 G.P.A.

Master's Degree, Secondary Education — *Pittsburg State University, Kansas* - 2014 - 3.92 G.P.A.

PROFESSIONAL EXPERIENCE

Software Engineer - *Pryon* - March 2022 - December 2024

- Developed and maintained the administrative Operations Console, an internal React application created to facilitate onboarding client organizations and managing identity providers, OIDC applications, user roles, and licensing
- Created NPM registry for UI library to share components, assets, and styles between company UI apps
- Created NPM registry for API schema to facilitate updates in UI applications
- Full Stack cross-platform API development in Go
- Developed analytics UI in Chart JS
<https://pryon.zendesk.com/hc/en-us/articles/28078591613069-Pryon-Platform>
- Created service connectors for external data sources in NodeJS
- Contributed to mobile app development in React Native
- Interviewed prospective employees and mentored junior software developers

Chief Technology Officer - *SquareOffs, Kansas City, MO* - September 2017 - March 2022

- Standardized peer code review, developed a coding style guide, and set standards on unit testing
- Updated release procedure to include a staging environment, required testing, and automated pull request analysis and feedback
- Responsible for database administration, production deployments, continuous integration, and automation
- Acted as scrum master, responsible for project management, sprint planning, standups and retrospectives
- Interviewed prospective employees and mentored junior software developers

- Contributed extensively to our main product, a Rails App with PostgreSQL database <https://squareoffs.com>
- Rebuilt the frontend of squareoffs.com with responsive design
- Responsible for updating and maintaining our WordPress Plugin <https://wordpress.org/plugins/squareoffs/>
- Oversaw the development of cross-platform mobile apps (Kotlin and Swift) <https://youtu.be/fnjODDU4QiU>
https://play.google.com/store/apps/details?id=com.squareoff.app&hl=en_US&gl=US
<https://apps.apple.com/us/app/squareoffs/id1503634714>

Full-Stack Software Engineer - Red Nova Labs, Westwood, KS - January 2016 - August 2017

Red Nova Labs, Westwood, KS - January 2016 - August 2017

- Contributed to facility management software (Ruby on Rails), universal platform (React with Flux), tenant portal (AngularJS), marketing software (PHP), and internal marketing websites (Hubspot).
- Contributed extensively to a drag-and-drop website platform on React with Redux, using MongoDB
- Built an inline text editor using Facebook's Draft.js
- Implemented the react-rails gem to create the first react components in the Rails app
- Integrated the Twilio API to support automated and template-based text messaging
- Updated e-sign process using the HelloSign API

Honors Physics and Chemistry Teacher - Bishop Ward High School, Kansas City, KS - 2012 - 2015

- Honors Physics and Chemistry teacher, ACT/SAT Preparation Coordinator, and Robotics Team Coach

Research Associate/Graduate Teaching Associate - University of Missouri, Kansas City - 2006 - 2013

- Worked with Dr. Elizabeth Stoddard on the development, preparation, and execution of programs and experiences with scientific inquiry and technology applications for teachers in urban communities
- Created physics laboratory experiments and identified student success factors for physics courses
- Taught undergraduate-level physics courses

PROJECTS

- Ruby on Rails web app for ACT prep <https://bitbucket.org/Rikku/pravina-prep>
- Built an electric guitar tuner in LabVIEW that was more precise than any other software-based tuner available at the time
- Built a program in C++ that took any string of characters and converted it to Morse code, which could be delivered through an oscilloscope to either a blinking LED, a beeping speaker, or both simultaneously.
- Updated the map page for the Solanoir Squarespace website using KML layers, Google Javascript API, and Amazon Web Services <https://github.com/Rikku-1/Solanoir>

AWARDS

Kansas City's Top VC-Backed Companies - 2021, 12 Kansas City Startups to Watch in 2019, National Merit Scholar, Bright Flight Scholar, Bank of America Joe Martin Scholar, Girl Scouts Gold Award, Girl Scouts Leadership Award, Don Showalter Award in Chemistry

ACTIVITIES AND SOCIETIES

President of the Society of Physics Students, Treasurer of the Society of Women Engineers, Speech and Debate, Campus Ambassadors, Student Government Association, YouthFriends

REFERENCES

Joe Pruitt - Vice President of Engineering at Pryon

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Kirk Hilse - Engineering Manager at Pryon

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Nikki Zand - Product Manager at Pryon

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