

# Grant Stromgren

Experienced software engineer with a passion for creating impactful, scalable solutions.

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## WORK EXPERIENCE

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### Grow Progress

June 2020 – Present

*Senior Software Engineer*

Grow Progress is an early stage startup offering a SaaS platform with products that assist in supporting campaigns, nonprofits, and brands to increase effectiveness of messaging through values-based analytics and surveying. I was the second full time hire after the lead engineer and took a major role in engineering and company growth.

- Spearheaded a large project initiative with a tight timeline, architected and presented software design, broke down requirements into actionable issues, built out a sprint plan to meet milestones and established retro/planning sessions, executed, and completed project in a way to allow sufficient time for unknowns, rigorous testing, and approvals.
- Assisted in the development of software standards, sprint process, code reviews, linting, testing, pipelines and CI/CD, agile issue management via Jira, software design processes.
- Improved our DevOps by evaluating and recommending changes to our current AWS configuration, moving servers to Docker controlled and infrastructure to Terraform for local and various environment deployments/management.
- Improved our SaaS speed and load times by utilizing 3<sup>rd</sup> party services for analyzing slow queries to be reworked, implementing caching at optimal points in the request timeline, and designing and presenting efficient database ERDs.
- Heavily contributed across repos, assisted in architecting, and designing our other products and services to increase their scalability and usability.
- Created an internal engineering tooling to assist with development, database migrations, terraform, tests, and other local development tasks.
- Mentored, trained, and pair programmed with other engineers.
- Helped develop our hiring process, technical interview, and perform interviews for candidates growing our team to 7.
- Helped establish core SaaS company-wide initiatives and processes, such as bug triaging, on call rotation.

**Tech:** Vue, Laravel, Node.js (TypeScript), Go, AWS, Docker, Terraform, Vertica, Redshift, Postgres, d3, chartjs

### When I Work

October 2019 – April 2020

*Full Stack Engineer*

When I Work is a late stage startup that offers a scheduling SaaS product for the hourly workforce with over 1 million monthly active users.

- Designed and developed software in an agile environment.
- Led a project on a reporting service, reviewed and created design documents to integrate reporting microservice into existing infrastructure.
- Assisted in agile development process, including ticket creation, scoping, designing lean solutions, and executing.
- Wrote test driven React code with 90%+ coverage, assisted test driven development with other engineers.

**Tech:** React, Go, PHP, AWS, Docker, Terraform, Kubernetes, MySQL, Postgres

### Stearns County

June 2017 – October 2019

*Senior Software Developer*

Stearns County is a county government in central Minnesota. I was the first Software Developer/Engineer hire.

- Designed, developed, supported, and managed software applications that utilize React, Node.js, and Angular front ends with C# and Express.js back ends. Managed databases within MySQL, MongoDB, Oracle, and MSSQL.
- Created Node.js ETL pipelines between disparate 3<sup>rd</sup> party databases to create a central database services and support an MDM environment
- Had full responsibility of software architecture, including server management (windows, linux), devops and 3<sup>rd</sup> party software services (GitHub, Azure DevOps, Azure cloud services).

- Created SDLC documentation, including style guides, procedural documents, API documentation, and software design process.

**Tech:** React, Angular, Node.js, Express, C#, Azure, MySQL, MongoDB, Oracle, MSSQL

## **Little Acorn**

**February 2016 - Present**

*Founder*

Little Acorn is a software and web development company I own and operate in my free time to provide low-cost solutions for a few small, local nonprofits.

- Talk directly with clients, document product outline and goals, create iterative procedure to complete product, hand off to customer with technical documentation and continual support.
- Manage external developer contractors to assist in project/product goals.

**Tech:** React, Next, Vue, Nuxt, Node.js, Laravel, Go, AWS, Docker, Terraform

## **TheMLSonline.com**

**May 2015 – February 2016**

*Senior Developer*

TheMLSonline.com is a web application and realtor providing home real estate searches for users.

- Designed and developed high volume web application.
- Performed routine server maintenance, including analytics on servers and queries to identify bottlenecks.
- Improved average site load time from 4.2s to 2.7s through database, query, and logic improvements.

**Tech:** CodeIgniter (PHP), JavaScript, JQuery, d3, HTML, CSS

## **Wedge Community Co-op**

**November 2012 – June 2015**

*Software Developer*

The Wedge Co-op is a retail store and grocery warehouse with a complete IT team and custom built ERP, inventory management, and POS system.

- Designed and developed software in LAMP ERP system.
- Worked directly with product stakeholders to design and support software systems that would assist in the day-to-day operations of the co-op.

**Tech:** PHP, JavaScript, HTML, CSS

## **EDUCATION**

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### **Western Governors University**

**2013**

*BS, Information Technology - Databases*

## **CERTIFICATIONS**

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- **Certifications:** Oracle (Database Administrator, SQL Expert); CompTIA (A+, Security+, Network+); CIW (Webmaster, JavaScript Specialist, Web Foundations, Web Design)

## **VOLUNTEER ORGANIZATIONS**

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- Central Minnesota Technologists – Organizer
- Google Developers Group St. Cloud – Organizer
- Ragtag – Volunteer Lead Developer
- Progressive Coders – Volunteer Developer
- Preferred Toastmasters – Member
- Minnesota Street Market – Board Member