

# Austin Graham

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Software Engineer with expertise in web development, content management systems, and SEO optimization. Strong foundation in HTML, CSS, and JavaScript with proven ability to optimize web performance and deliver responsive, high-quality web experiences through collaborative teamwork.

## Skills

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**Programming Languages:** JavaScript, HTML, CSS, Python, SQL

**Frameworks & Libraries:** React, Node.js, Express, Bootstrap, Tailwind CSS, React Query

**Databases:** MySQL, MongoDB, Redis

**Tools & Infrastructure:** AWS (EC2, S3, DynamoDB), Git

## Experience

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**Technician**, Instacart – Burlington, ON

June 2025 – Present

- Deploy applications to embedded devices using command line interfaces, debugging tools, and automated scripting
- Configure and test smart cart systems for deployment, including software/firmware validation and network setup
- Execute automated deployment scripts and system updates for maintenance across 100+ serialized systems
- Diagnose and resolve complex hardware-software integration issues using systematic methodologies
- Collaborate with engineering teams to provide technical feedback on cart performance and product improvement

## Projects

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**StackNova**

[stacknova.ca](http://stacknova.ca) | [github.com/kyoriku/StackNova](https://github.com/kyoriku/StackNova)

- Built full-featured content management and publishing platform enabling users to create, edit, and publish technical articles with Markdown support, syntax highlighting, and advanced search capabilities - implementing secure authentication, responsive theming (dark/light modes), and cross-browser compatibility
- Optimized web performance through dual-layer caching strategy (Redis + React Query), achieving 74% faster page load times with performance benchmarking, prefetching optimization, and cross-device monitoring
- Developed RESTful API backend with content validation, input sanitization, XSS prevention for safe content rendering, and optimized MySQL database schema for efficient content storage and retrieval
- Implemented SEO strategy using Google Search Console, semantic HTML, meta tags, JSON-LD structured data, XML sitemaps and robots.txt configuration - achieving strong accessibility scores and optimal web performance metrics

**Tech:** JavaScript, React, Tailwind CSS, React Query, Node.js, Express, MySQL, Redis, OAuth2

## Invoice Automation

- Engineered invoice automation system that processes work schedule emails, manages bi-weekly pay period calculations, tracks invoice numbering, and generates professional invoices with data persistence and error handling, reducing manual invoicing time by 80%
- Integrated Gmail IMAP and Google Sheets APIs with OAuth2 authentication to automatically parse Homebase schedule emails, calculate work hours, and populate invoice templates with financial data and HST calculations
- Implemented automated file generation and email delivery system with PDF/Excel export, SMTP integration, and interactive CLI for data validation, shift editing capabilities, and comprehensive user confirmation workflows

**Tech:** Python, Gmail API, Google Sheets API, IMAP/SMTP, JSON, OAuth2, PDF/Excel generation

## Education

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**University of Toronto** – Certification, Full Stack Web Development

March 2024

- Completed intensive program covering full stack web development technologies and core computer science concepts
- Developed multiple responsive web applications from concept to deployment, using Agile methodologies with peers