

# Anthony Maki

Software Engineer

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## Summary

I am an adept, mid-level software engineer with rich front and back-end experience across many languages, technologies, and frameworks. I have architected, implemented, and maintained DevOps practices and CI/CD processes in agile startup environments. My passion for technology started as latent interest at seven years old when I failed to compile a C++ "Hello World" program. Later in life, my self-taught tweaking of WordPress PHP templates as the managing editor of a student newspaper transformed my interest into a career. I seek roles at organizations who share my passion for emergent technology, provide solutions that improve everyone's daily life, and are socially and environmentally conscious corporate citizens.

## Skills

### Back-End

- › Apache
- › Express
- › Node
- › Nginx
- › Passport
- › Serve
- › Superstatic

### CI/CD

- › Amazon Web Services
- › Atlassian
- › CircleCI
- › Codeship
- › Docker
- › GitHub
- › GitLab
- › Google Cloud Platform
- › Heroku
- › Jenkins
- › Swagger
- › Travis CI
- › Zeit Now

### Concepts

- › Agile Development
- › DRY and LIFT Principles
- › Kanban Method
- › Microservice Architecture
- › Modularization
- › Responsive Design
- › Single Responsibility
- › Wireframing

### Databases

- › Firebase DB and Firestore
- › GraphQL
- › MongoDB
- › MySQL
- › PostgreSQL

### Front-End

- › Angular
- › AngularDart
- › Angular Components
- › AWS APIs
- › Bootstrap
- › Firebase
- › Font Awesome
- › Google APIs
- › jQuery and jQuery UI
- › lodash
- › Material Design
- › Normalize.css
- › Polymer
- › React
- › Skeleton
- › Web Components

### Languages

- › ColdFusion
- › CSS (Sass)
- › Dart
- › HTML
- › Java
- › JavaScript (ES6+)
- › PHP
- › Python

- › Ruby
- › Shell (Bash, sh, and zsh)
- › TypeScript
- › YAML

### Security

- › 2FA
- › Commit-Signing
- › GPG
- › HTTPS
- › SSH
- › U2F
- › YubiKey

### Testing

- › AVA
- › Chai
- › Jest
- › Karma
- › Mocha
- › Protractor

### Tooling

- › Babel
- › Git
- › Homebrew
- › Hyper
- › Prettier
- › VS Code (Atom and JetBrains)
- › Webpack (Gulp)
- › Yarn (npm)
- › Zplug

## Technical Experience

### Software Engineer

Self-Employed - 2017-10 to present

- › Self-learning new technologies such as React, Next.js, Dart, AngularDart, Flutter, cloud functions, Python, TensorFlow, TypeScript, and various cool things that quicken my dev cycle
- › Reinforcing language and framework-specific best practices in my code
- › Contributing to open-source projects, such as:
  - [AliasIO/Wappalyzer](#)      - [Homebrew/homebrew-cask](#)      - [remarkjs/remark-github](#)
  - [dart-league/sass\\_builder](#)      - [Homebrew/homebrew-cask-fonts](#)      - [zeit/release](#)
  - [EasyAsABC123/grunt-standard](#)      - [Homebrew/homebrew-cask-versions](#)      - [zeit/serve](#)
  - [FlowCrypt/flowcrypt-browser](#)      - [niftylettuce/remark-preset-github](#)

### JavaScript Developer (contract)

Best Buy via York Solutions - 2018-03 to 2018-05

- › Built out development documentation for small A/B testing team embedded within Customer Experience Optimization team
- › Implemented A/B testing experiments using client-side native JavaScript and jQuery injected via Optimizely on BestBuy.com, silently optimizing customers' experiences while leaving unaffected site operations and millions of dollars of revenue
- › Liaisoned with numerous product teams within Best Buy to facilitate their A/B testing experiments, especially with server-side components that required client-side communication to function
- › Commenced and directed development, using React and Next.js, of an internal dashboard for A/B testing team to keep managers, stakeholders, and developers better informed on the status of past, current, and future experiments, with JIRA and Optimizely REST API integrations

### Developer

Dealer Teamwork LLC - 2017-07 to 2017-09

- › Developed front-end logic, features, and UI in Angular, JavaScript, PHP, and Sass
- › Architected seamless continuous integration/continuous deployment process using Codeship managed CI/CD service culminating in transition of application to container-based AWS infrastructure from standalone server with automatic builds, rolling deployments and rollbacks, automatic database backups, load-balancing, and SSL
- › Commenced breaking out and decoupling part of Angular codebase into single-responsibility directives, components, controllers, and factories in preparation for transition to single-page application architecture with a team of about six developers

### Technology Consultant (contracts)

Azend - 2016-11 to 2017-07

#### Dealer Teamwork Project (2017-03 to 2017-07)

- › Developed custom Angular directives, features, front-end logic, and UI for Launch Control product
- › Fixed bugs in JS front-end and PHP back-end
- › Greatly expanded development environment tooling, including code linting, formatting, and environment-aware bundling
- › Implemented John Papa's Angular 1 Style Guide throughout JavaScript codebase
- › Guided new team members on setup, configuration, and best practices with a team of about six developers

#### BillPledge Project (2017-02 to 2017-03)

- › Developed front-end logic, UI, and features for upcoming public beta product
- › Fixed bugs in JS front-end and Java back-end
- › Built upon existing development environment tooling and recommended changes
- › Adhered to John Papa's Angular 1 Style Guide
- › Wrote code with component/class-based architecture to prepare for Angular 2.x+ transition with a small internal team

#### WhichCraft Project (2016-11 to 2017-02)

- › Developed front-end logic, UI, and features, and back-end logic for Angular and Ionic Framework-based iOS and Android mobile application
- › Performed troubleshooting of native platform plugin issues
- › Fixed bugs in JS front-end and ColdFusion back-end
- › Resolved regressions caused by native platform updates
- › Collaborated with founder/designer on sprint and feature planning as sole developer on project

#### **Full Stack Software Development Student**

Prime Digital Academy - 2015-11 to 2016-09

##### Individual Project (autopool.io)

- › Created single-page app proof-of-concept enabling easy carpool discovery with social-based manual and algorithm-driven grouping and route generation and optimization
- › Utilized technologies such as Angular, Angular Material, Firebase Authentication, Database, and Hosting, Google Maps API, Grunt, and npm

##### Team Project on Behalf of GREATER MSP (Export Help Navigator)

- › Created single-page app and content management system for GREATER MSP to facilitate their mission of helping Minneapolis-Saint Paul metro companies to export their products, and communicate efficiently export requirements and regulations
- › Utilized technologies such as Angular, Angular Material, Firebase Authentication, Node, Express, PostgreSQL, Heroku, Grunt, and npm

## **Additional Experience**

#### **Bus Operator**

Metro Transit - 2015-01 to 2015-10

- › Operated 40-foot and articulated buses on fixed-route service throughout day and night, earning more than three commendations from riding public

#### **Moderator**

Swappa - 2014-09 to 2015-01

- › Facilitated online used device marketplace, preventing fraud with and ensuring quality in over 300 listings daily

#### **City Carrier Assistant**

United States Postal Service - 2013-06 to 2013-10

- › Sorted, delivered, and picked up mail and packages in NW suburbs and NE Minneapolis six days (50+ hours) per week

#### **Managing Editor**

City College News - 2010-04 to 2013-05

- › Terminated MTV College Media Network contract in favor of self-hosted WordPress news website, moving towards web-first paradigm
- › Instituted first-ever stipends for non-editorial board staff (writers, photographers, designers, etc.)
- › Grew advertising revenue (print and digital) to outpace fixed monthly printing cost (\$500/month), funding staff stipends and conference travel and paving way for later transition to biweekly publication from monthly
- › Managed \$12,000 college-provided annual budget and represented organization in Student Senate
- › Helped editors and writers see stories through to fruition, laid out print edition in InDesign, and never missed deadline

## Education

### Mobile Web Specialist Nanodegree

Udacity - 2018

- › Selected as a Google Udacity Scholar
- › Completing Udacity Mobile Web Specialist Nanodegree and Google Mobile Web Specialist Certification, which develop and certify proficiency in the following areas:
  - Basic Website Layout and Styling
  - Performance Optimization and Caching
  - Front End Networking
  - Testing and Debugging
  - Accessibility
  - ES2015 Concepts and Syntax
  - Progressive Web Apps
  - Mobile Web Forms

### Full Stack Software Engineering Certification

Prime Digital Academy - 2016

Prime Digital Academy is a 20-week program designed to prepare students for employment in the software/applications development field. The program focuses on the JavaScript-based MEAN stack (MongoDB, Express, AngularJS, and Node). Students also learn front-end development, additional technologies and frameworks (HTML/CSS, Bootstrap, Sass, and jQuery), and databases (PostgreSQL). Prime's curriculum not only focuses on producing competent developers, but also developing the soft skills needed in today's job market. Each graduate is prepared to immediately step in and become a productive team member for prospective employers.

### Liberal Arts

Minneapolis Community and Technical College - 2013

- › Awarded Kopp Presidential Scholarship
- › Inducted into Phi Theta Kappa
- › Selected as Managing Editor and Editor in Chief of student newspaper

### Political Journalism Certificate

Georgetown University - 2011

## Volunteerism

### Peer Mentor

Prime Digital Academy - 2017-11 to present

### Assistant Head Election Judge

City of Minneapolis - 2012-10 to present

## Personal Skills and Interests

- › Artificial Intelligence
- › Augmented Reality
- › Bicycling
- › Cerebral Films and Series
- › Craft Coffee, Beer, and Spirits
- › Home Automation
- › Internet of Things
- › Machine Learning
- › Neural Networks
- › Photography
- › Politics
- › Spanish Language and Culture (Nearly Fluent)
- › Traveling
- › Typography
- › Virtual Reality

## Organizations and Conferences

- › AngularMN (since 2016)
- › DevFestMN (2017 and 2018)
- › Google Developer Group Twin Cities (since 2016)
- › JavaScript MN (since 2016)
- › NodeMN (since 2016)
- › React MPLS (since 2016)