



ALEXTHEGOODMAN

# Hi, I'm Alex Goodman

Bringing outstanding software designs to life has been my passion for as long as I can remember.

Thanks to the open-source community and some amazing mentors from the last 10 years, I stay in the loop on next-generation technology and continue to grow as an engineer.

Engineering is about so much more than code but also operations, strategy, and people. I seek to be involved with organizations that feel the same!

- **Led engineering for smaller startups such as ClimateCheck, LeadScout, and Givinci**
- **Work mentioned in publications such as QZ, Bloomberg, and CBN**
- **Experience with enterprises, startups, and fast-paced agencies**

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## Expertise

<b>React Web Applications</b>	Next.js, Apollo, Context, Redux, Hooks, Material UI, Antd, i18n, Moment, Lodash
<b>Server-Side APIs</b>	Ruby (Rails), Python (Django, Flask), PHP (CodeIgniter, Yii), C# (.NET CORE), Java (Spring Boot), TypeScript (Node / Express)
<b>Data Viz</b>	Data Integration, Transformation, and Optimization, 2D Formats (Maps, Graphs, Charts), Uber Viz, Airbnb's visx
<b>UX &amp; UI</b>	Design-to-Code, Flexbox, Grid, Animations, SVGs, UX Best Practices, UX Research Studies, Wireframes, User Testing
<b>Automated Testing</b>	Unit Tests, Integration Tests, Mocking, Cucumber, TDD + BDD
<b>Static Code</b>	Semantic HTML, On-Site SEO, JSX, CSS / SASS, JSS, Gatsby, Tailwind
<b>React Native Mobile Apps</b>	iOS and Android, XCode, Android Studio, Testflight Distribution
<b>API Architecture</b>	Fixtures, Models, Schemas, Controllers, Migrations, Seeds, Mono / Micro Architectures, API Integrations
<b>3rd Party Integrations</b>	Mapbox, Facebook, Stripe, Google, Twitter, Instagram, Auth0, SAP, AWS, Twilio, SendGrid, Mandrill, etc



## Methods

### Best Practices

Pixel-Perfect, DRY, SOLID, ISO Standards, TDD / BDD

### Product Management

DevOps, SCRUM, QA, Gitflow, CI/CD

### Additional Concerns

Security controls, Performance optimizations, Scalable architectures

## Tools

### Development Tools

VS Code, WebStorm, IntelliJ, Visual Studio, Terminal, Sequel Pro, DBeaver, Postman

### Deployment Tools

Heroku, AWS, CircleCI, GitLab

### Collaboration Tools

Atlassian, GitHub, Asana, Trello, InVision, Zeplin, Slack, etc

### Monitoring Tools

Rollbar, Bugsnag, Mixpanel, Fullstory

### Design Tools

Figma, Framer, Sketch, Photoshop, Illustrator, IcoMoon, Noun Project

## Experience

### Full Stack Engineer

AlexTheGoodman - *Jan 2013 - Present*

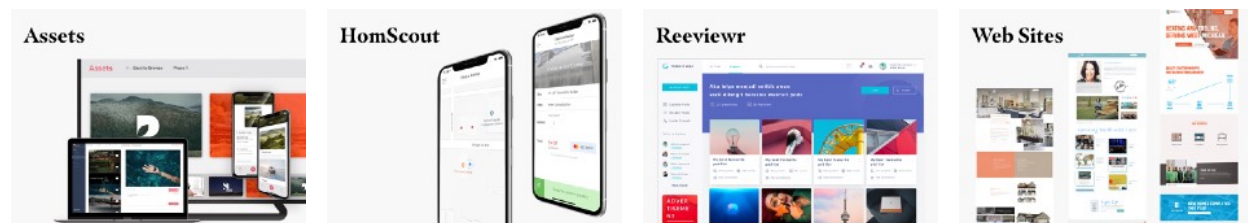
I got my professional start about 10 years ago by working with local clients and have been providing web and mobile software engineering services ever since. I have also held a number of full-time or in-office positions in that time.

#### *Technical-side*

- Develop React and React Native components with clean, functional TypeScript
- Design maintainable SASS architectures and write reusable style files
- Write Cypress and Jest tests according to BDD / TDD methodology
- Implement GraphQL types and resolvers and REST API endpoints
- Manage, model, and migrate data stores (MySQL, PostgreSQL)
- Optimize for performance, security, accessibility, SEO, collaboration, cleanliness
- Write documentation and guidelines and create visual aids

#### *Business-side*

- Research and collect business information related to the challenge at hand
- Develop specifications and estimations for projects
- Establish technical plans and coordinate contractors as-needed
- Implement verifiable quality assurance controls
- Deliver projects which meet or exceed scope requirements
- Provide long-term support mechanisms and procedures





## Senior Frontend Developer

The Seventh Spark Company - *Nov 2021 - Feb 2022*

- Participate in product and data discussions
- Write and refactor React, Tailwind components according to Zeplin designs
- Research new client-side library integrations (Headless UI, Filestack, etc)
- Collaborate with back-end developers on a Node-based REST API (MongoDB, AWS)
- Contribute to “Faithful” web application using gitflow version control standards

## Full Stack Engineer

RediMinds - *February 2021 - October 2021*

- Research emerging technologies (AR, VR) and market opportunities
- Research, outline, and create visual aids (maps, diagrams) and documentation
- Migrate legacy Postgres data stores to new schemas and systems
- Plan and develop Prisma database schemas and GraphQL Nexus microservices
- Implement clean and re-usable React components and TypeScript types
- Write end-to-end tests with Jest and various mocking tools
- Collaborate closely via working sessions and partner programming
- Maintain other supporting systems (SAP) and platforms

## Web Application Developer

EDUStaff - *March 2018 - May 2019*

- Collaborate closely with other developers throughout planning, deliberation, and production stages
- Develop front-end features according to best-practices with React and AngularJS
- Write Karma, Jest, and Cypress tests intended for GitLab CI/CD systems
- Leverage new Web APIs, browser features, syntax optimizations and standardization



- Offer design and user experience advice in the absence of a full-time designer
- Contribute as needed to the multi-app Django monorepo

## Full Stack Engineer

LeadScout - *January 2017 - October 2017*

- Lead the development of the initial React Native iOS prototype
- Develop React Native components with JavaScript and SASS
- Work one-on-one with the lead UX designer (Sketch, Zeplin)
- Architect and develop a versioned Node REST API
- Distribute the iOS app to internal and external testers via Testflight
- Deploy various APIs, databases, and assets to Heroku and AWS

## Front-End Developer

Cull Group - *October 2015 - June 2016*

- Translate Photoshop and Sketch designs and wireframes to web pages which were standards- compliant, mobile- responsive, and backwards-compatible
- Integrate pages with ExpressionEngine CMS and enable control of content pieces, meta data and other items
- Develop custom email newsletters and transactional email notifications (Outlook-compatible) and integrate them with the CMS
- Enjoyed the chance to experiment with a HTML5 Canvas-based Bejeweled-style game for mobile devices

## Web Developer

TBX - *Feb 2014 - Jan 2015*

- Collaborate closely with designers and project managers to ensure timely completion of digital deliverables (web sites, interactive ads)



- Translate Photoshop designs to web pages which were standards-compliant, mobile-responsive, and backwards-compatible
- Integrate pages with WordPress CMS (Custom Templates, Custom Post Types, Custom Plugins) to enable control of content, layout, meta data and other items

## Front-End Developer

Givinci - *Jul 2013 - Dec 2013*

- Collaborate with various stakeholders (from management to marketing) to aid in designing new web pages and features for Givinci's different web-based offerings
- Develop pages and modules using RoR and in-house development techniques
- Gained early experience with a new technology and architecture (MVC, SASS, Grunt)
- Acquired early insights into start-up planning, marketing, and coordination

## Notable Projects

### ClimateCheck

- Featured in major publications (QZ, Bloomberg, FastCompany)
- Optimized web app for retrieval of climate report regarding any US-based address

### WebLeap

- Recruited and formed local team
- Gesture-based human-computer interaction experience via a Chrome Extension paired with a Leap Motion Developer Kit

### Assets

- Isomorphic + cross-platform application (Web, iOS, and Apple TV)
- Real-time interface for designers and photographers to manage proofs with clients



## Recommended Books

<b>Defensive Security Handbook</b>	Security strategies for prevention, monitoring, and response
<b>The DevOps Handbook</b>	Operational strategies and systems for larger engineering teams
<b>Natural Language Processing with TensorFlow</b>	Implementing machine learning models in Python and TensorFlow
<b>Human + Machine</b>	Discussing the wide variety of AI use-cases in the business world
<b>Mapping Experiences</b>	Detailing various diagrams and maps for aligning business and customer needs
<b>Lessons in Typography</b>	History and the various components of typography
<b>People Skills</b>	Listening reflectively, speaking assertively, and removing conversation blocks
<b>Product Roadmaps</b>	The modern product roadmap for forward-looking teams

## Learn More

**Portfolio:** [AlexTheGoodman.com](http://AlexTheGoodman.com)

**Twitter:** [@AlexTheGoodman](https://twitter.com/AlexTheGoodman)

**GitHub:** [AlexTheGoodman](https://github.com/AlexTheGoodman)

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## Connect

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