To whom it may concern,

I have always had grit in everything I do, but in web development I don't need it. I love coding. During the last year, I have coded in a snow covered tent in Canada, in countless small towns around New Zealand's South Island, and even on my phone while bike touring the Pacific Coast Highway. I have never failed so many times at anything, but I'm still left with a stupid grin on my face after each block of coding.

In my previous career as a Civil Engineer, I brought together board members, managed contractors, and worked with permitting agencies to see the completion of over $1,000,000 worth of infrastructure projects. Despite spending most of my time as a project manager, I loved to develop ways to do my work more programmatically. I quickly became the go to resource for excel questions, and used ArcGIS to work with large databases to produce meaningful maps. This progression naturally led me to excel's macros, then autoLisp to augment my CAD drafting assignments. These forays into pseudo-programming delighted me, but were just a small portion of an otherwise unsatisfying work situation that left me feeling unchallenged.

Last April, my girlfriend and I saved money and quit our jobs to travel for a year. During this time I have developed a passion for full stack javascript web development, as it satisfies my needs to solve real problems and to create.

I have experience in full-stack javascript development within the NodeJS environment. My portfolio website (tyleralves.com) showcases and provides links to a few of my more recent projects.

Stork Delivery, my most recently completed project, is an SPA that allows users in mountain towns to order items from their nearest urban specialty stores and have the items delivered to their residences. I structured the site using MEAN stack, included Mongo collections for users and products (with inventory management), and used Bootstrap to supplement design. I was able to quickly implement skills that I learned on previous projects: building a REST api, user authentication with passportjs and jsonwebtokens, and using refs to link collections in mongoDB. Currently, I am working on a remote contract for New Zealand's Department of Conservation developing a Google Maps Angular component for them to display their ArcGis assets (hiking tracks, campsites, huts, parks, etc).

I am unique in my ability to communicate technical issues in terms that managers and non-technical team members understand. My written and verbal communication abilities clearly set me apart from my peers in my previous career as a civil engineer, and I'm sure they will be a huge asset to your development team.

I look forward to chatting about how I can help you as a Full Stack Javascript Developer.

Thanks,
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Tyler Alves

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Full-Stack Javascript Developer looking for a Front-end or Full-stack Web Developer position.

SKILLS

Languages/Frameworks:
- NodeJS
- VanillaJS (preferred)/ JQuery
- MongoDB/ MongooseJS
- Angular 1.5
- ExpressJS
- PassportJS/ jsonwebtoken
- Google Maps API
- ArcGIS Server API
- Typescript(beginner)

Tooling:
- Webstorm IDE
- Git - Version Control
- NPM Scripts - Build Processes
- Heroku/ Openshift Deployment
- Nodemon File Watcher
- NPM - Dep. Package Management
- JSHint Linting

PROJECT EXPERIENCE

NZ DOC: Google Maps POC — Migrating ArcGIS Server data to Google Maps

JUNE 2016 - JULY 2016

Remote contract for New Zealand's Department of Conservation to develop a system that displays ArcGis assets (hiking tracks, huts, parks, etc.) on a Google Maps based component for content pages. The project requires requesting data from the ArcGis Server api, joining it to data from DOC's custom content Api, then displaying it with the Google Maps Javascript api.

Stork Delivery — Web App connecting volunteers and organizations

JUNE 2016 - JULY 2016

Stork Delivery is an SPA that allows users in mountain towns to order items from their nearest urban specialty stores and have the items delivered to their residences. I structured the site using MEAN stack, organized client-side code into Angular 1.5 components, implemented inventory management with MongoDB, and used Bootstrap to supplement design.

TylerAlves.com — Personal Portfolio

APRIL 2016 - PRESENT

Used Angular 1.5 to create the SPA front end with a focus on using components for organization and reuse. Used VelocityJS and Inkscape to create the drawn-in photo effect on the home page.

Volunteer Connect — Web App connecting volunteers and organizations

JANUARY 2016 - APRIL 2016

Volunteer Connect cuts out the pricey middlemen and connects willing volunteers with the organizations that need help. I created linked Mongo collections (users, messages, feedback), developed backend Passport user authentication and used Handlebars on the front-end.

EDUCATION

Self Taught, Internet — *Full Stack Javascript Development*

July 2015 - PRESENT

Beginning Javascript (O'Reilly), JS: The Good Parts, Todd Motto Angular Master Course, Loads of Documentation

California Polytechnic State University, San Luis Obispo — *B.S. Civil Engineering*

2007 - 2012

3.3 GPA, Chi Epsilon – Engineering Honors Fraternity