Thomas Milton Maestas

Software Developer

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I specialize in multidisciplinary, data-focused web app development with a deep understanding of JavaScript and Python tools and frameworks, especially AWS and GCP RESTful API microservices for server-side cases and client-side needs. My work experience spans the full product development life cycle from Proof-of-Concept to General Audience release--using test-driven, team-based Agile/Scrum methods. In sum, I work with passion, learn fast, and thrive on exceeding expectations.

Skills

- **JavaScript:**   ES5, ES2015+, TypeScript, Unit/E2E test, Gulp, Grunt, D3js
- **Python:**   NumPy, Pandas, Matplotlib, Flask, Django
- **UI Frameworks:**   ReactJS, Redux, AngularJS, Angular 2-8, Vue.js, Handlebars
- **Environments**   Linux, PowerShell, MS-DOS, Docker, SSH, Git
- **Data Analytics :**   R, Python ggplot2, Seaborn; Stata, SPSS, D3js
- **Cloud:**   AWS SDK/CLI fluency, GCP-Firebase, MongoDB Atlas
- **Server-side API:**   Node.js, Python scripts, Swagger, Postman API Testing

Professional Experience

Software Developer

April 2017 to Present: TMM Web Consulting - Albuquerque, NM

Freelance Contractor. Front-End and REST API Development, Trouble-Shooting and Testing program applications using Node.js and React/AngularJS frameworks. JavaScript refactoring and code-base migration to ES6+ syntax. Besides Xpansiv, clients include New Mexico Beer Guild, for which I consulted and helped maintain web presence and SEO, using PHP and SQL. In addition to Handlebars, I have made two projects with the Vue.js framework, one of which is a symmetrical design to a React.js project. The other Vue.js project employs a RESTful API call to collect Bitcoin data into a formatted display.

Software Consultant (Client Job Title: Software Engineer)

May 2018 to April 2019: Rural Sourcing - Albuquerque, NM

My duties over 11 months period involved building out the GUI application for a (formerly) command-line-only data application, using AngularJS/Kendo and RESTful API microservices using HATEOS (Hypermedia As The Engine of Application State). As a team, I communicated with the SyncSort engineering team daily and 5 morning stand-ups/week via Skype-based, Agile-Scrum meetings using a Jira storyboard in a 7-person full-stack team; I completed 4-5 sprint tasks per week: REST API and UI/UX coding, trouble-shooting, testing, adding new features; I once substituted for the

senior software engineer for 3 weeks; the period included a successful GA release.

Front-End Software Developer

July 2017 to Jan. 2018: TMM (contracting for Xpansiv Data Systems) - Albuquerque, NM

I helped develop a React-Redux UI/UX data-intensive app, styled with Material Design. Daily team-based workload involved client-side data logic and creative problem-solving to accomplish a successful proof-of-concept. I provided JavaScript-D3js data visualization for the product.

Social Statistics Teaching Assistant

Aug. 2016 to Nov. 2016: Université de Montréal, Sociology dept - Montréal, Canada

My PhD studies included quantitative data analysis, including linear regression techniques. I also worked as a Teaching Assistant for 2 100-level research methods courses, with lab and office hour duties. All work and program duties conducted in french-only setting.

Program Evaluator (Contractor)

Jan. 2016 to May 2016: Pivot Evaluation - Albuquerque, NM

Program evaluator role duties included interviews of program participants, survey data collection and analysis, and website UI/UX contributions.

Webmaster(Graduate Assistant Contractor)

Sept. 2013 to Dec. 2015: Dept of Sociology, University of New Mexico - Albuquerque, NM

Duties included remaking and maintaining the Sociology department website using an XSLT-based Cascade content management system. I added new features including an automated data-entry for updating the faculty publications. I also managed the department computer lab, installing, updating, and troubleshooting network and software for 12 lab workstations.

Research Assistant

Sept. 2013 to Mar. 2014: Statistical Analysis Center at UNM Institute of Statistical Research

Project duties included database queries of confidential data for State, County, and City-funded projects; this included data collection, cleaning, and analysis. I completed several federally-funded STEM grant performance reviews, and I helped edit and co-author institute-published reports.

Education

M.A. Sociology (Statistics focus)

Aug. 2012 to Dec. 2015 - **University of New Mexico** - Albuquerque, NM

B.A. History

Aug. 2012 to Dec. 2015 - **University of New Mexico** - Albuquerque, NM

Computing Groups

ABQ_Python

Aug. 2018 to Present

Monthly Python Meetup, including live-coding presentations and discussion on theme. Among other projects, I completed a Flask data app.

Albuquerque AWS Meetup

Nov. 2018 to Present

Monthly meetings focus on AWS services. Live-coding topics include Rekognition, Lambda functions, API Gateway with S3, and others. At each meeting I completed a new project.

505 React

Sept. 2018 to Present

Monthly meetings feature lecture-based projects on varied React components and app architectures. I followed and completed several applications including a chatting app and a calculator app using Redux.

Volunteer Service

March 2019: Regional Judge — CNM STEM Science & Engineering Research Challenge

Duties include criteria-based scoring on scientific method and communication

Jan. 2018, 2019: Debate Judge: Cave Classic Speech & Debate Tournament

Duties include criteria-based scoring, advisement, mentorship for high schoolers

Certifications

2018: AWS Partners Network Technical Professional

2019: AWS Cloud Economics Certificate

These AWS Partners Network training/certificates are in preparation for the AWS Developer Associate Certification, for which I am scheduled and have been preparing since November 2018.

Coding Assessments

React/React Native Proficiency

May 2019: **https://thomasmaestas.net/dist/docs/IKM-Exam_React_React-Native.pdf**Python 3 **Proficiency**

Mar. 2019: https://thomasmaestas.net/dist/docs/IKM-Exam_Python3.pdf

Angular Proficiency

May 2019: https://thomasmaestas.net/dist/docs/IKM-Exam_Angular2.pdf

Critical Thinking — Expert

July 2019: (Indeed exam) Using logic to solve problems.

https://share.indeedassessments.com/share_assignment/1gdelpthlfqxruqo

Problem Solving — Highly Proficient

July 2019: (Indeed exam) Measures ability to analyze relevant information when solving problems.

https://share.indeedassessments.com/share_assignment/tlx-hct51jiprapm

Data Analysis — Expert

July 2019 (Indeed exam) Measures skill in interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data.
https://share.indeedassessments.com/share_assignment/gedtigzvslszfs6k

Search Engine Optimization — Expert

July 2019: Measures ability to interpret website key performance metrics and SEO tactics.
https://share.indeedassessments.com/share_assignment/uwtxnjwriqa8xywt

Cloud-based Experience

Training through AWS Partners Network since November 2018, through former employer. I am proficient in command-line SDKs and CLI and PowerShell in both Python (Boto 3) and Javascript. I have experience building several applications using multiple serverless AWS services, including the following:

AWS DynamoDB Non-Relational Data with Serverless Lambda

In conjunction with Lambda functions, experience reading and writing data, calculating throughput, and setup of data streams. SDK experience using Node.js and Python (Boto3); and Lambda Deployment Package, including function logging, context object and function handler. Other AWS skills include Amazon API Gateway, Amazon VPC, Route 53, and AWS S3, I have facility setting up external and internal APIs with a focus on security and setting IAM roles and permissions.

GCP Firebase Real-time Firestore Database

Experience with configuring real-time database for use with federated authentication.

Additional Information

- Fluent in French
- Proficient in Spanish