Thomas M. Maestas

Full-Stack Software Engineer

[thomasmaestas.net](https://thomasmaestas.net/)  | Pittsburgh, PA

I specialize in data-focused, full-stack software engineering, by integrating my MA-level training in quantitative analysis with my fluency in Java, Typescript and Python; for this reason, I intimately understand the logical underpinning of any Spring, Node or Flask full-stack framework. I use my AWS/Linux certifications to write custom API endpoints with attention to semi-structured data and data types, whether microservice custodial data or 3rd party API pipelines. My 8 years in Tech spans the full product development life cycle--from Proof-of-Concept creativity--through fast iterations of improvement and regression testing--to General Audience release. I'm a rapid self-learner while adhering to limited scopes of research fit for a deadline-oriented coding velocity, usually within Agile/Scrum-based settings. In sum, I work smart, learn strategically, and thrive on exceeding expectations.

* **Server-Side:** Java 8-21, Spring REST, Maven and Gradle builder; proficiency with Docker/dockerizing apps
* **Microservices and Middleware:** Linux/Unix, PowerShell, AWS CLI/SDKs, GCP, Jenkins, Kafka, Rabbit MQ
* **Database:** Microsoft SQL Server-Transact SQL; Oracle-PL/SQL, MySQL; MongoDB, AWS DynamoDB
* **Front-End:** JavaScript, TypeScript, Angular 14, React 16, Bootstrap, SPA and Web components
* **Unit, E2E, API, and Performance** **Testing:** Selenium, Karate Automation SDET, JMeter, SoapUI, Git

# Professional Experience

## Java Engineer

November 2022 to Present: Tek Systems, Pittsburgh, PA

* Engineered custom Java-based solutions for app development requiring enterprise-level standards, fit for a large financial institution.
* Worked with the team to help design a json-based proof-of-concept to live data stages, development and testing, and eventual release.
* Developed and refactored Java REST and event-based apps, including Kafka and Mail APIs.
* Problem-solved using Full-Stack experience: from writing Angular tests to writing DB views.
* Wrote bash/python scripts for ad-hoc testing, and to enhance productivity and minimize future rote tasks.

## Automation Engineer

March 2020 to September 2022: Accenture, Pittsburgh, PA

* Collaborated with developers to upgrade and optimize relational-to-NoSQL database conversions for two clients in financial services industry.
* Developed and refactored Java middleware and conducted functional, regression, and performance testing to optimize decoupled, modular architectures.
* Supervised test automation engineers to ensure production-ready reliability and performance.
* Proactively problem-solved cross-team issues, such as automating Mock-API microservice testing.
* Authored forward-looking automation bash scripts to enhance Jenkins Pipeline test-driven builds.

## Full Stack Engineer

November 2019 to March 2020: Revature, Morgantown, WV

* Integrated server-side logic using Java interfaces, JDBC API, and Oracle PL/SQL and AWS DB Servers.
* Automated Continuous Integration and Deployment with both AWS Code Pipeline and Jenkins.
* Wrote tests using Junit and Angular Protractor to ensure fine-grained adherence to business rules.
* Logged specific layers of error output using Log4JS for complete resolution of bug fixes.
* Created Single Page Applications using JavaScript libraries, along with Angular and ReactJS.

## Software Developer Associate

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

* Co-developed an app migration from CLI-only to Angular-Java GUI data-streaming application.
* Worked with UI/UX Writers/Content designers and management to achieve technical goals and timelines.
* Collaborated with engineers to optimize Angular-RESTful microservice-based application using *Hypermedia as The Engine of Application State* architecture.
* Completed 5-7 story tasks within a typical 2-week sprint: UI/UX, engineering, debugging, adding new features.

## Front-End Software Developer

July 2017 to Jan. 2018: Xpansiv Data Systems, Albuquerque, NM

* Wrote user stories, UI/UX planning and design, along with iterative development for Proof-of-Concept.
* Designed client-side data logic and implemented React-Node.js-based data-intensive app.
* Styled the GUI using platform compatible React with Material Design.
* Coded interactive data visualization graphs using JavaScript libraries and D3js, which accentuated the eventual success of the product’s final delivery.

# Certifications

* 2020 Linux Professional Institute Linux Essentials Exam, Score: 730/800, #1104290836
* 2020 AWS SysOps Administrator, Score: 828/1000, #MJ1C1FBJJ1F4QRG9
* 2020 AWS Certified Solutions Architect Associate, Score: 861/1000, #3VQN72H2HB14QW9D
* 2019 AWS Amazon Web Services Developer Associate, #89ZEC9E1FFE1QTWR

# Education

* University of New Mexico, M.A., Sociology (Quantitative focus), 2015
* University of New Mexico, B.A., History, 2001

# Language Assessments

* Java 8: IKM Testing 71% -<https://thomasmaestas.net/dist/docs/IKM_Java8_Exam_Result.pdf>
* Python 3: IKM Testing 73% -<https://thomasmaestas.net/dist/docs/IKM-Exam_Python3.pdf>
* React: IKM Testing 71% -<https://thomasmaestas.net/dist/docs/IKM-Exam_React_React-Native.pdf>
* Data Analysis **-**<https://share.indeedassessments.com/share_assignment/gedtigzvslszfs6k>

# Additional Information

* Fluent in French
* Proficient in Spanish