Thomas M. Maestas

Full-Stack Software Engineer

thomasmaestas.net | Pittsburgh, PA

I specialize in data-focused software engineering, with a strong background in front end development and UI/UX design. My experience spans the full product development lifecycle—from proof-of-concept design, iterative testing and optimization, CI/CD to GA release. I excel in Agile team setting and individually using best-practices and documentation-based compliance. In sum, I work with passion, learn fast, and thrive on exceeding expectations.

- **Server-Side:** Java 8 and 11, Spring Boot-MVC-REST-Data, Maven, Gradle; NodeJS+Express
- **Front-End:** JavaScript, TypeScript, Angular 10-13, React 16, Bootstrap, SPA and Web components
- **Unit, E2E, API, and Performance Testing:** Selenium, Karate Automation SDET, JMeter, SoapUI, Git
- **Microservices and Middleware:** Linux/Unix, PowerShell, AWS CLI/SDKs, GCP, Jenkins, Kafka, Rabbit MQ
- **Database:** MongoDB, AWS DynamoDB; Oracle PL/SQL, MySQL, PostgreSQL; JDBC, ODBC

Professional Experience

Java Engineer
November 2022 to Present: PNC Bank – Pittsburgh, PA

- Responsibilities include codebase development for Java-Based Backend API applications, including SQL database management and data flows to front-end client applications.

Automation Engineer
March 2020 to October 2022: Accenture Contractor for 2 Bank Clients – Pittsburgh, PA

- Worked with development team to upgrade and optimize relational-to-NoSQL database conversions.
- 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

- Built AWS-Jenkins full-stack data apps and uninterrupted flow of system operations by automating the build, test and deployment phases of development.
- Integrated server-side logic using Java interfaces and classes, JDBC API, and AWS-based Oracle database server using Oracle procedural language and SQL.
- 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
May 2018 to April 2019: Rural Sourcing Contractor for Syncsort Data - 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: TMM (contracting for Xpansiv Data Systems) - Albuquerque, NM

- Designed client-side data logic and implemented React-Node.js-based data-intensive app.
- Wrote user stories, UI/UX planning, design, and iterative development for Blockchain-based Natural Gas Application Proof-of-Concept.
- Streamlined user interface for mobile- and pc- compatible platforms using 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 #1104290836, Score: 730/800
- 2020 AWS SysOps Administrator, #MJ1C1FBJJ1F4QRG9, Score: 828/1000
- 2020 AWS Certified Solutions Architect Associate, #3VQN72H2HB14QW9D, Score: 861/1000
- 2019 AWS Amazon Web Services Developer Associate, #89ZEC9E1FFE1QTWR

Education

- **Revature 12-week Full-Stack Bootcamp**
  2020, Morgantown, WV
- **M.A. Sociology (Quantitative focus**)
  2015, University of New Mexico, Albuquerque, NM
- **B.A. History**
- 2001, University of New Mexico, Albuquerque, NM

Coding 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