

THOMAS MECHESSA

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SOFTWARE ENGINEER

Seasoned senior software engineer with over 5 years of proven expertise in developing software solutions, specializing in end-to-end systems and RESTful API development. Worked in teams ranging from 3 to 7 members. A passionate learner committed to continuous growth, with a track record of leading cross-functional teams and consistently delivering high-quality code on schedule. Adaptable and forward-thinking, excelling in dynamic, fast-paced development environments.

SKILLS

Languages: JavaScript, TypeScript, Java ,Dart, Python

Web: HTML5, CSS3, JavaScript, AJAX, React, Next.js, Vue.js

Web Services: REST, SOAP, JSON, XML, Sockets

Web/App Servers: Nginx, Tomcat, Apache

Frameworks: Node.js, Express.js, Spring Core, Spring Web, SpringBoot, Java Persistence API, Java Message Service, React, Next.js, Vue.js, Flutter, Bootstrap, Tailwind, WordPress

Databases: MySQL, PostgreSQL, MongoDB, Cloud Firestore

Design Patterns: Dependency Injection, Inversion Of Control, Command, Strategy, Template, Observer, State, Composite, Iterator, Chain of Responsibility, Proxy, Adapter, Mediator, Factory, Builder, Singleton, Aspect Oriented Programming,

SDLC: Agile, Waterfall, Scrum, Kanban, Test Driven Development (TDD), Domain Driven Design (DDD)

Tools: Git, GitHub, Visual Studio Code, NPM, yarn, VITE, Atom, Postman, IntelliJ IDEA, PyCharm, Docker, Kubernetes, Jenkins, Figma, Jira, Trello

Platforms: Windows, Linux, MacOS

PROFESSIONAL EXPERIENCE

Senior Software Engineer

April 2021 – Aug 2023

Kin Ideas, Addis Ababa, Ethiopia

- Implemented rigorous code review procedures, which decreased the number of post-release bugs by 13%.
- Conducted frequent knowledge-sharing sessions, which helped the team improve its collective expertise and skill set.
- Effectively oversaw a multidisciplinary team of four engineers, guaranteeing timely completion and meeting project objectives.
- Played a key part in creating four large-scale projects from design to completion utilizing a variety of tech stacks, including Django, Flutter, Express, and React.
- Designed and delivered a scalable and efficient architecture for multiple Kin Ideas' projects.
- Initiated and led regular meetings to identify areas for improvement in the development process.
- Proactively identified and resolved technical challenges during architecture design and implementation.
- Regularly analyzed the end to end request response cycle to identify and fix performance issues and decrease response time.
- Engineered tests for Mobile Applications, Web Applications, and RESTful APIs, ensuring test coverage and adherence to quality standards.

- Facilitated onboarding and conducted training sessions for new and junior team members, ensuring a smooth integration into the development team and providing essential insights into project workflows and best practices.
- Actively contributed to Agile development methodologies, participating in sprint planning, daily stand-ups, and sprint reviews to ensure project milestones were met.

Technologies Used: *Flutter, Dart, JavaScript, TypeScript, React.js, Express.js, Mongoose, MongoDB, Firebase, Python, Django, Django Rest Framework, PostgreSQL, Flutter Test, Jest, Cypress, Docker, Git, GitHub, VS Code, Swagger, Postman, HTML, CSS, Tailwind, Material UI, Jira, Trello, Clickup*

Software Engineer

Oct 2022 – Feb 2023

Mohas Technologies, Addis Ababa, Ethiopia (Contract)

- Contributed to key projects focused on Mobile Application Development, actively engaging in the design and implementation phases.
- Built engaging and responsive user interfaces using Flutter components, ensuring a seamless and visually appealing mobile experience.
- Employed the BLOC pattern for effective state management within the mobile applications, enhancing code organization and maintainability.
- Utilized RESTful APIs to integrate crucial functionalities into mobile applications, ensuring seamless communication with backend services.
- Regularly presented project progress and updates during daily standup meetings, fostering transparent communication and alignment within the development team.

Technologies Used: *Flutter, Dart, Git, GitLab, VS Code.*

Full Stack Developer

July 2018 – June 2021

Jersuma Trading Addis Ababa, Ethiopia

- Pioneered responsive and user-friendly interfaces using frontend technologies, including HTML, CSS and React by collaborating closely with UI/UX designers.
- Designed, Developed and optimized RESTful APIs to facilitate seamless communication between frontend and backend components using Express.js, Node.js and SpringBoot.
- Prepared documentation for RESTful APIs, offering clear insights into endpoints, data models, and usage guidelines to facilitate seamless integration and collaboration among cross-functional teams.
- Consuming RESTful APIs: Integrating APIs into frontend applications to fetch and send data asynchronously using JavaScript (AJAX), React.js and Flutter.
- Modernized a legacy PHP system with Express.js, improving efficiency, scalability, and aligning with current web development standards.
- Collaborated directly with clients to understand requirements, gather feedback, and implement features that met business needs and user expectations.
- Delivered a GitHub action pipeline, reducing deployment time by 30% and lowering the number of system bugs by 20%, resulting in a more efficient and reliable deployment process.
- Implemented cross-functional collaboration, delivering excellent code on time and contributing to fast-paced development environments, resulting in accelerated project completion and promotion within 1 month of getting hired.

Technologies Used: *HTML CSS, JavaScript, AJAX, Java, SpringBoot, Java Persistence API, Express.js, React.js, Flutter, Dart, MongoDB, MySQL Git, GitHub, VS Code, IntelliJ IDEA, Maven, Bootstrap*

EDUCATION

Master of Science in Computer Science

Maharishi International University, Fairfield, Iowa, USA

Bachelor of Science in Software Engineering

Addis Ababa Institute of Technology, Addis Ababa, Ethiopia

Honors graduate with Great Distinction