

# Nathnael Mekonnen

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**Summary:** Passionate about software engineering to solve feasible problems and build my career. Currently, I study at the world's **#1** Most Innovative University, ranked by WURI 2024 and **~1%** acceptance rate.

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## SKILLS AND INTERESTS

- **Programming Languages:** Proficient in Python, JavaScript, Java, intermediate C++, SQL, Relational Databases, full-stack development with Node.js, Express.js, React.js, Next.js, AWS, PostgreSQL, & Git.
  - **Soft Skills:** Problem-solving, team player, multimodal communicator, self-start, critical thinking, leadership, detail-oriented, creativity, and fast learning.
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## WORK EXPERIENCE

### Salesforce - Software Engineer

San Francisco, CA - 05/2024 – 08/2024

- Developed a Quick Actions upgrade feature for Salesforce CRM, improving their layout load times by **63%** and integrating advanced capabilities like Einstein AI for auto-completion, summarization, and visibility rules.
- Enhanced user experience for Salesforce admins and end users by enabling layout upgrade to Dynamic Forms for easy customization and access to Quick Actions, impacting over **1 billion** active use cases monthly.
- Completed production-level and testable code in Java, LWC, Aura, and JavaScript within Salesforce's core codebase, with the feature set to be included in the upcoming Salesforce release 254.

### Salesforce - Software Engineer

San Francisco, CA - 06/2023 – 08/2023

- Led a team of **3**, to build a client-expert matching system, utilizing data analytics and machine learning algorithms mainly sci-kit-learn and cosine similarity to yield high accuracy matching of **96%**.
- Developed RESTful API endpoints on a Node server, including appointment bookings, updates, and cancellations with real-time notifications handling users' data, and processing the matching results securely.

### TamaCares - Cofounder & full-stack developer

DC & Lorton, VA- 09/2023 – present

- Developed tamacares.com, a comprehensive prescription co-signer platform for TAMA doctors, from system design to deployment, using Next.js, Node.js, PostgreSQL, & AWS with a **100%** score on Google site analytics
  - Architected and implemented core business logic, including payment processing API, real-time notification systems, and dynamic forms, ensuring seamless user experience and operational efficiency.
  - Achieved **1000+** active users in **5** months, driving growth through the platform's accessibility & reliability.
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## PROJECTS

- **JP Morgan Chase** Software Engineering Virtual Experience
    - Completed a live stock price data streamer and trading opportunity indicator (correlation analysis) real-time dashboard for investors by fixing Typescript, JS, the Perspective tool, and Python codebase.
  - Built *HomeHeart* a scalable networking web application prototype that helps find therapists globally for immigrants based on their predefined preferences. Used Machine Learning algorithms and the PERN stack.
  - Programmed a Smile Detector Snapshot using Raspberry Pi, Sckit-learn, and Open CV Python.
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## EDUCATION

### Minerva University - Computer Science and Econometrics,

San Francisco, CA - 2025

- **Courses:** Calculus I-III, Data Structures & Algorithms, Linear Algebra Applications, Discrete Mathematics, Economics and Finance, Econometrics, Building powerful Software, AI algorithms, and Machine Learning.
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## ACCOMPLISHMENTS

- Selected as Salesforce full-stack program as one of **60** interns from **2500+** applicants in Summer 2023.
- **Cisco Big Data Analysis and IoT:** Completed **4-month** course with Honor (**100%** score) in June 2022.
- Completed **10** weeks of **Codepath's** Data Structures and Algorithms for Interview-prep course in 2022.