Arthath Agary

Software Engineer
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Summary

Software Engineer with 2+ years of experience across the MEAN/MERN stacks, building customer-facing SaaS products. Core focus on engineering no-code and AI-powered website-building platforms: designing underlying architectures, RESTful APIs, and dynamic front-end tooling. Experienced in integrating payment gateways, AI models (Gemini, OpenAI), and observability tools into production. Adept in Agile/Scrum teams using AI coding assistants to accelerate development while writing clean, scalable code.

Education

Cardiff Metropolitan University **2023 – 2025**
BSc (Hons) in Software Engineering

- Program covering the SDLC, object-oriented design, data structures, cloud fundamentals, and Agile delivery.
- **Relevant Coursework:** Software Engineering Principles, Data Structures & Algorithms, Database Systems, Web & Mobile App Development, Cloud Computing Fundamentals.
- Final-year project: Designed and built a full-stack web application utilizing modern JavaScript frameworks, REST API design, and robust database modeling.

Professional Experience

Simato Vas Solutions **Nov 2024 – Present**
Software Engineer (Nov 2025 – Present) | Associate Software Engineer (Nov 2024 – Nov 2025)

- Design and build customer-facing full-stack products for the company's SaaS suite, including no-code website/app builders and AI-powered site generators.
- Integrate payment gateways (Ideabiz), AI models (Gemini, OpenAI), analytics (GA4), and observability tooling (Datadog RUM) directly into production platforms.
- Operate within an Agile/Scrum workflow across cross-functional teams, managing sprint planning, backlog grooming, and deployments via Jira.
- Partner with founders and the product team to translate business requirements into scalable platform features.
- Manage cloud infrastructure, deployment, and secure storage utilizing AWS EC2 and S3.

Simato Vas Solutions **May 2024 – Nov 2024**
Intern Software Engineer

- Onboarded rapidly onto the production codebase to contribute to live, customer-facing products.
- Resolved critical bugs across the Angular front-end and Sails.js back-end, reducing reported user issues by 40%.
- Built robust platform features and implemented performance improvements for AppMaker and Otenro under senior engineer guidance.

Clancode Labs **Aug 2023 – Feb 2024**
Intern Software Engineer

- Developed full-stack features for a live commercial product utilizing the MERN stack.
- Integrated the Stripe payment gateway backend to seamlessly support one-time transactions.
- Designed MongoDB schemas and developed backend APIs for robust user, subscription, and payment management.
- Implemented secure authentication and authorization flows utilizing JWT, bcrypt, and protected routing.

Professional Projects

Note: The following are in-house SaaS platforms developed as part of the Simato engineering team. External enterprise customers utilize these as no-code/AI builders.

Appmaker — No-Code App Builder Platform (appmaker.lk)
MongoDB, Sails.js, Angular, AngularJS, Cordova, TypeScript, JavaScript

- Engineered an OTP-less checkout flow using Ideabiz, reducing customer onboarding friction by 30%.
- Integrated Google Analytics funnel tracking to identify drop-offs, boosting completion rates by 18%.
- Deployed Datadog RUM error tracking, cutting front-end debugging and issue resolution time by 50%.
- Created reusable Angular app templates and generation workflows, increasing creation speed by 35%.

Otenro Pro — AI-Powered Website Builder Platform (pro.otenro.com)
MongoDB, Sails.js, Angular, GrapesJS, Redis, TypeScript, JavaScript

- Integrated the Google Gemini API to auto-generate full website structures, cutting manual creation time by 60%.
- Built a data pipeline converting AI responses into editable GrapesJS layouts, reducing design times by 45%.
- Engineered SPA and multi-page generation logic, achieving a 95%+ successful generation rate.
- Developed single sign-on (SSO) architecture across Otenro platforms, reducing login times by 25%.

Telegram Sub Manager — Subscription Automation Platform
MongoDB, Sails.js, Angular, Telegram API, TypeScript, JavaScript

- Developed a Telegram-based management platform utilizing the Bot API to fully automate subscription flows.
- Implemented monetization logic enabling channel administrators to generate recurring revenue safely.
- Automated backend validation, kick/unban handling, and renewal processing, reducing manual labor by 80%.

Appmaker Spark — AI Landing Page Generator (ai.appmaker.lk)
MongoDB, Sails.js, Angular, TypeScript, JavaScript, OpenAI

- Built the responsive front-end UI for AI landing-page generation using modern Angular.
- Implemented dynamic content rendering, live previews, and real-time component loading architecture.
- Integrated Gemini and OpenAI APIs to fetch and structure content into user-editable page sections.

Cordova Hot Code Push CLI — Open Source Contribution
Node.js, Cordova

- Forked and modernized the deprecated `cordova-hot-code-push-cli` library for Node.js 20+ compatibility.
- Updated dependencies, patched APIs, and published the modernized package to npm.

Skills

Frontend Development: Angular, React.js, Next.js, HTML5, CSS3, TypeScript, JavaScript, TailwindCSS, GrapesJS
Backend Development: Node.js, Sails.js (MVC), Express.js, RESTful APIs, JWT Authentication, bcrypt
Databases & Cloud: MongoDB, AWS EC2, AWS S3, Redis
AI & Integrations: Google Gemini API, OpenAI API, Telegram Bot API, Ideabiz, Stripe
Tools & Practices: Git, GitHub, Jira (Agile/Scrum), Postman, Datadog RUM, Google Analytics 4

Achievements

Maintain 56+ public repositories on GitHub, spanning full-stack projects across React, Angular, and Node.js.
Recognized with multiple **Pull Shark** and **Pair Extraordinaire** achievement badges on GitHub for high-volume pull request merges and collaborative pair programming.
Reduced reported production issues by 40% and cut frontend debugging time by 50% through proactive fixes and observability tooling.

References

U. Mahfoos — Senior Software Engineer, Jaseci Labs | +94 77 5491 905 | umahfoosahamed@gmail.com
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