

# ARTHATH AGARY

## Software Engineer

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## Summary

Software Engineer with 1.5+ years of experience in full-stack development using the MEAN stack and Sails.js. Strong background in developing RESTful APIs, dynamic front-end interfaces, and end-to-end web applications. Also experienced with React and Next.js for modern UI development. Known for quick learning, problem-solving, and writing clean, maintainable code.

## Education

### Cardiff Metropolitan University

2023 – 2025

Bsc (Hons) in Software Engineering

## Professional Experience

### Simato Vas Solutions

Nov 2024– Present

Associate Software Engineer

- Designed, built, and shipped multiple customer-facing full-stack products, including no-code platforms, AI-powered website builders, and Telegram-based subscription systems.
- Integrated payment gateways (Ideabiz), AI models (Google Gemini, OpenAI), analytics (Google Analytics 4), and observability tools (Datadog RUM error tracking) to improve conversion, performance, and debugging speed.
- Collaborated closely with founders and product team to translate business requirements into robust, scalable technical solutions that directly impacted company growth.
- Worked with AWS EC2 and S3 for cloud-based project deployment and storage management.

### Simato Vas Solutions

May 2024– Nov 2024

Intern Software Engineer

- Worked as an intern, quickly got hands-on with the full production codebase and contributed to live customer-facing products
- Worked in Agile environment using Jira for task tracking, sprint planning and daily stand-ups
- Fixed critical bugs across frontend (Angular) and backend (SailsJs), reducing reported issues by 40% during my internship period
- Implemented small features and improvements in AppMaker and Otenro platforms under senior engineer guidance.
- Used Git + GitHub for version control, pull requests, and collaborative development.

### Clancode Labs

Aug 2023– Feb 2024

Intern Software Engineer

- Developed full-stack features in a live product using MERN stack (MongoDB, Express.js, React.js, Node.js).
- Integrated Stripe Payment Gateway for one-time payment.
- Designed and developed MongoDB schemas, wrote backend APIs, and performed CRUD operations for user, subscription, and payment records.
- Implemented secure user authentication authorization using JWT, bcrypt, and protected routes.

## Professional Project

### Appmaker (<https://appmaker.lk>)

MongoDB, Sails.js, Angula, Angular.js, Cordova, HTML, CSS, TypeScript, JavaScript

- Integrated Ideabiz OTP-less one-time payment service, reducing onboarding friction by 30%.
- Added Google Analytics funnel tracking to identify user drop offs, improving completion rate by 18% after optimization.
- Implemented Datadog RUM error tracking, reducing frontend debugging time by 50%.
- Developed dynamic template generation workflows, increasing template creation speed by 35%.
- Built reusable, configurable app templates using Angular, enabling faster app assembly and reducing manual design effort.

## Otenro Pro (<https://pro.otenro.com/app/login> - The below features will release soon)

*MongoDB, Sails.js, Angular, Angular.js, Cordova, HTML, CSS, Redis, TypeScript, JavaScript*

- Integrated Google Gemini API for generating full website content structure, cutting manual content creation time by 60%.
- Converted AI responses into editable GrapesJS layouts, reducing design turnaround time by 45%.
- Implemented SPA + multi-page website generation, boosting generation success rate to 95%+.
- Added AI image generation using Pixabay custom tool-calling, improving design completeness by 40%.
- Built seamless SSO across Otenro and Otenro Pro, reducing login-related time by 25%.

## Telegram Sub Manager (Finished & Released soon)

*MongoDB, Sails.js, Angular, Cordova, HTML, CSS, TypeScript, JavaScript*

- Developed a Telegram-based subscription management system using the Telegram Bot API, handling 100% automated subscription flow.
- Implemented paid subscription logic enabling channel admins to earn recurring revenue, increasing monthly earnings.
- Built full backend automation—validation, kick/unban flow, renewals—reducing manual admin work by 80%.
- Delivered complete dashboard + bot automation.

## Appmaker Spark (<https://ai.appmaker.lk>)

*MongoDB, Sails.js, Angular, Cordova, HTML, CSS, TypeScript, JavaScript*

- Built a frontend UI for the AI landing-page generator using Angular, ensuring a clean and responsive user experience.
- Implemented all core UI logic including dynamic content rendering, live preview updates, and real-time component loading.
- Developed frontend API integration workflows for content and layout
- Work on Gemini + OpenAI APIs to fetch AI-generated content and convert it into structured page sections

## cordova hot code push cli (<https://www.npmjs.com/package/cordova-hot-code-push-cli-renew-20>)

*Cordova*

- Forked and modernized the original cordova-hot-code-push-cli library, which was no longer maintained and did not support Node.js 20+.
- Added full Node.js 20+ compatibility, including updated dependencies, fixes for deprecated APIs, and compatibility patches.
- Published the library to NPM with improved documentation and easier setup for developers working with Cordova-based apps.

## Skills

- Frontend Development: Angular (modern + AngularJS), React.js, HTML5, CSS3, TypeScript/JavaScript, Responsive Design, GrapesJS, Shadcn, Next.js, React.js, TailwindCss, MUI
- Backend Development: Node.js, Sails.js (MVC), Express.js, RESTful API Design, JWT Authentication, bcrypt
- Databases: MongoDB (Schema Design, CRUD)
- AI Automation Integrations: Google Gemini API, OpenAI API, Telegram Bot API, AI Content Image Generation Workflows
- Payment Gateways: Ideabiz (OTP-less), Stripe (one-time), Sampath Ipg
- Cloud Deployment: AWS EC2 (staging deployment), AWS S3 (storage), Basic Cloud Infrastructure Management
- Observability & Analytics: Datadog RUM (Error Tracking), Google Analytics 4 (Funnels & Events)
- Tools & Workflow: Git & GitHub (PRs, branching), Jira (Agile, Sprints, Stand-ups), Postman (API testing)
- Key Achievements: Full-stack feature ownership, Reduced onboarding friction by 30%, Cut debugging time by 50%, Improved analytics-driven conversions by 18%, Built 100% automated Telegram subscription systems

## Reference

- **U. Mahfoos** Senior Software Engineer, Jaseci Labs 📞 +94 77 5491 905 — ✉ [umahfoosahamed@gmail.com](mailto:umahfoosahamed@gmail.com)
- **J.M. Rifkhan** Senior DevOps Engineer, Avlyon 📞 +94 76 7730 555 — ✉ [rifkhan561@gmail.com](mailto:rifkhan561@gmail.com)
- Additional references available upon request