

Please find below the complete job details for each of the positions we previously shared, including information on role description, responsibilities, skills, qualifications, work location, working days, duration, and compensation.

1. Senior Robotics and Embedded Engineer (Level 3)

Department: Research & Development (R&D)

About the Role:

As a **Senior Robotics and Embedded Engineer (L3)** at **Onchain Software & Research Limited**, you will lead the design, simulation, and deployment of advanced embedded and robotic systems. Your responsibilities will span from embedded firmware development to physical prototyping, including 3D modeling, PCB design, and hardware assembly. You will play a strategic role in driving innovation and delivering hardware-integrated solutions in blockchain, AI, and IoT-enabled applications.

Key Responsibilities

- Design and develop complex embedded systems using microcontrollers (STM32, ESP32, Raspberry Pi, etc.) and SoC platforms running Linux (e.g., Yocto, Raspberry Pi OS).
- Write efficient, real-time firmware in C/C++, Python, and MicroPython for sensor interfacing, motor control, and device communication.
- Utilize and configure embedded Linux environments (kernel modules, systemd, shell scripting).
- Implement and manage ROS (Robot Operating System) for robotic systems and autonomous behaviors.
- Lead 3D design and simulation of mechanical enclosures or robotic parts using Fusion 360, SolidWorks, or similar tools.
- Conduct FEA (Finite Element Analysis) for mechanical integrity and optimization of robotic assemblies.
- Design and simulate PCBs (using KiCad, Altium, or Eagle), perform DRC checks, and generate files for PCB manufacturing (Gerber, BOM, Pick and Place).
- Manage complete PCB manufacturing workflows, including vendor coordination and QA.
- Perform full-cycle hardware testing, debugging, and final assembly, ensuring system robustness.
- Integrate IoT-based solutions with wireless communication (WiFi, BLE, LoRa, NB-IoT) and cloud platforms (MQTT, HTTP, AWS IoT Core).
- Collaborate on interdisciplinary projects involving blockchain, AI/ML, and smart contract interaction with hardware.
- Document all technical processes, circuit designs, test results, and mechanical drawings in professional-grade reports.
- Lead and mentor junior engineers, enforce technical standards, and conduct internal technical reviews.

Educational Qualification

- Bachelor's or Master's degree in Electrical Engineering, Electronics, Mechatronics, Computer Engineering, or equivalent.
- Specialized coursework or certifications in Embedded Systems, Robotics, or IoT is a plus.

Required Skills and Qualifications

- 5+ years of professional experience in embedded system design, robotics, or hardware R&D.
- Expertise in embedded C/C++, Python, and MicroPython programming.
- Strong experience with Linux-based embedded platforms, driver configuration, and system-level debugging.
- Hands-on with ROS1/ROS2 implementation in real-world robotic systems.
- Proficient in 3D CAD modeling, 3D printing, and mechanical design iteration.
- Skilled in FEA analysis and structural simulation tools (Fusion 360 Simulation, Ansys, etc.).
- Deep understanding of PCB design, simulation, layout routing, and DFM (Design for Manufacturing) best practices.
- Familiarity with hardware debugging tools (oscilloscope, logic analyzer, multimeter, JTAG debugger).
- Knowledge of wireless communication protocols (BLE, Zigbee, LoRa, WiFi, NB-IoT).
- Capable of building IoT-enabled applications that connect to cloud platforms or edge compute devices.
- Strong technical documentation, version control (Git), and BOM management experience.

Preferred (Bonus) Qualifications

- Experience with ROS (Robot Operating System), autonomous navigation, or machine vision.
- Knowledge of secure communication protocols and hardware-backed cryptography.
- Understanding of smart contract integration with hardware interfaces.
- Hands-on with simulation and testing tools such as Gazebo, Proteus, MATLAB, or LTspice.
- Participation in robotics competitions or real-world deployments of autonomous systems.

Work Location: Onsite – Baridhara DOHS, Dhaka.

Working Days: 5 days/week (Sunday to Thursday).

Job Duration: Full-Time, Permanent.

Compensation: competitive (negotiable based on experience).

2. Junior Embedded/Robotics Engineer (Level 1)

About the Role:

As an Junior Embedded/ Robotics Engineer (L1) you will play a vital role in researching emerging technologies, documenting technical insights, and testing embedded hardware solutions. This position offers a hands-on opportunity to develop documentation, perform hardware testing, and contribute to innovative projects.

Responsibilities

- Write embedded code and test necessary devices with sensors.
- Draft research documentation on blockchain, AI, and embedded systems.
- Conduct testing and validation of embedded hardware.
- Assist in technical report writing and project documentation.
- Work closely with the engineering and development team to analyze findings.
- Stay updated with the latest trends in R&D and innovation.
- Collaborate with the hardware & software teams for efficient integration.

Educational Qualification

Bachelor's degree (Completed) in Computer Science, Electrical Engineering, Electronics, Mechatronics, or a related field.

Additional Requirements

- Strong research and analytical skills.
- Basic knowledge of embedded systems, microcontrollers, and IoT is a plus.
- Experience in technical documentation and report writing.
- Familiarity with hardware testing procedures.
- Strong problem-solving and critical-thinking abilities.
- Passion for research, innovation, and new technology trends.
- Ability to collaborate with teams and work independently.

Job Type: Permanent

Experience Level: Entry-Level/ Level 1

Location: Onchain HQ, Baridhara DOHS

Salary: Compensation up to 25,000 BDT per month, depending on experience and expertise.

Work Location: Onsite – Baridhara DOHS, Dhaka.

Working Days: 5 days/week (Sunday to Thursday).

Job Duration: Full-Time, Permanent.

Compensation: Competitive(based on skills and project experience).

3. Personal Secretary to Vice President (International Affairs)

About the Role: This role requires a professional with exceptional organizational skills, discretion, and the ability to manage multiple tasks efficiently in a dynamic environment. The ideal candidate will have a strong background in administrative support, financial oversight, compliance, and international coordination.

Key Responsibilities:

Administrative & Executive Support:

- Manage the VP's calendar, schedule meetings, and organize appointments.
- Handle correspondence, including emails, letters, and phone calls, on behalf of the VP.
- Prepare reports, presentations, and other documents as required.
- Maintain confidential files and records with utmost discretion.
- Coordinate with the management team and other departments as per requirement.
- Make various reports on behalf of the VP and follow up on pending important issues.

Financial Oversight:

- Assist in managing accounts, including tracking expenses and preparing financial reports.
- Coordinate with the finance department to ensure timely tax filings and compliance with local regulations.

Compliance Management:

- Ensure adherence to corporate policies and legal requirements.
- Liaise with legal and regulatory bodies as needed.
- Maintain records of compliance activities and prepare necessary documentation.

Travel & Tour Coordination:

- Plan and coordinate domestic and international travel, including flights, accommodations, and itineraries.
- Accompany the VP on business trips, providing support during meetings and events.
- Manage travel-related expenses and reimbursements.

Meeting & Event Management:

- Organize and coordinate meetings, including preparing agendas and taking minutes.
- Ensure the VP is well-prepared for all engagements.
- Coordinate company events and functions as required.

Qualifications:

- **Education:**
 - Bachelor's degree in Business Administration, Finance, Management, or a related field.
- **Experience:**
 - Minimum of 5 years of experience in a similar role, preferably within the tech.
 - Demonstrated experience in assisting senior management and handling confidential information.
- **Skills:**
 - Excellent organizational and time-management skills.
 - Strong written and verbal communication abilities in both English and Bangla.
 - Proficiency in Microsoft Office Suite (Word, Excel, Outlook, PowerPoint), graphics software, and Internet usage.
 - Ability to work independently and handle multiple tasks simultaneously.
 - High level of discretion and professionalism.
 - Good typing speed in Bangla is an added advantage.

Preferred Attributes:

- Proactive and solution-oriented mindset.
- Ability to adapt to a fast-paced and dynamic work environment.
- Culturally aware and sensitive to diverse work environments.
- Should possess good health and be willing to travel to any part of the country as and when needed.

Compensation and Benefits:

- Competitive salary based on experience and qualifications. (negotiable)
- Performance-based bonuses.
- Opportunities for professional development and growth within the company.
- Other benefits as per company policy.

Salary: Competitive (Based on profile and experience)

Working Days: 5.5 days/week.

Job Duration: Full-Time, Permanent.

4. Assistant Manager – Operations & Communications

- **About the Role:**

- 1. Project Management Support**

- Collaborate with Product Owners to ensure timely execution and delivery of key milestones.
 - Define project scopes, timelines, and resource allocation in alignment with organizational goals.
 - Maintain project dashboards, sprint boards, and status reports to ensure internal visibility and alignment.
 - Coordinate internal and external resources to ensure successful execution within scope, time, and budget.
 - Apply change and risk management protocols to address delays or evolving project needs.
 - Build and manage relationships with stakeholders, vendors, and cross-functional teams.
 - Prepare and maintain comprehensive documentation including project charters, reports, and meeting minutes.

- 2. Operational Oversight**

- Supervise day-to-day operational workflows across departments to ensure smooth functioning.
 - Enforce adherence to SOPs and internal compliance standards.
 - Liaise between management and operational staff to support effective planning and execution.
 - Oversee procurement, logistics, office inventory, and administrative coordination.
 - Manage petty cash, budgeting records, vendor relationships, and internal reporting.
 - Prepare and submit regular operational performance reports to senior leadership.

- 3. Social Media & Public Relations**

- Manage and enhance digital footprint across Facebook, LinkedIn, Instagram, and X (formerly Twitter).
 - Create and execute engaging content calendars in coordination with the design and content teams.
 - Develop creative copywriting for posts, campaigns, and community interactions aligned with brand tone.
 - Utilize analytics tools to monitor campaign performance, engagement metrics, and content effectiveness.
 - Draft press releases, media updates, and partner communications for public dissemination.
 - Maintain consistent branding and voice across all external communications.

- 4. Documentation & Strategic Communication**

- Draft, format, and maintain project-related documentation, including proposals, presentations, reports, and strategic plans.

- Organize a centralized repository of documents to ensure transparency, version control, and knowledge continuity.
- Assist leadership with communications related to grants, partnerships, and strategic outreach.
- Support the preparation of reports and documentation required for compliance, audit, and organizational alignment.

Requirements

- Strong proficiency in English (spoken and written)
- Proficiency with project tools (Google Workspace, Trello/Notion), design platforms (Canva/Adobe), and basic video editing (CapCut, Adobe Premiere Rush)
- Familiarity with digital communication trends and cross-platform engagement strategies
- Excellent organizational, time management, and multi-tasking skills
- Self-motivated, solution-oriented, and proactive in dynamic environments
- A genuine interest in emerging technologies (Blockchain, AI, IoT)

Educational Qualifications: Bachelor's degree or a relevant one.

- *Note: Exceptional candidates with relevant experience and portfolio may be considered in lieu of formal education.*

What We Offer

- A tech-forward, innovation-driven work culture
- Exposure to real-world applications in blockchain, Web3, and decentralization
- Mentorship and skill development opportunities
- Cross-functional career advancement pathways
- Competitive salary and growth-based performance incentives

Work Location: Onsite – Baridhara DOHS, Dhaka.

Working Days: 5.5 days/week.

Job Duration: Full-Time, Permanent.

Compensation: BDT 30,000–40,000 (based on experience).

5. Full Stack Developer – Level 3 (Senior)

About the Role: As a Fullstack Developer – Level 3, you will play a pivotal role in developing and maintaining scalable, high-quality web applications. You will work across the full technology stack, designing and implementing APIs, collaborating with designers and cross-functional teams, and contributing to the entire software development lifecycle. You will also take ownership of codebases, contribute to architectural decisions, and ensure the delivery of robust and secure solutions.

Key Responsibilities:

- Develop and maintain web application frontends and backends using modern frameworks and languages, ensuring responsive and user-friendly interfaces.
- Design, implement, and maintain APIs to enable seamless integration between client-side and server-side components.
- Collaborate closely with graphic designers and UI/UX teams to incorporate design features and optimize the user experience.
- Participate actively in all phases of the software development lifecycle, including requirement analysis, system design, coding, testing, deployment, and maintenance.
- Write clean, reusable, maintainable, and well-documented code; conduct and participate in code reviews to uphold code quality.
- Lead the design and development of robust web application modules, taking ownership of project codebases and setting up scalable project structures.
- Provide technical guidance and quality assurance on assigned projects, ensuring adherence to best practices and coding standards.
- Collaborate with cross-functional teams including QA, product management, and other developers to define, develop, and deliver new features.
- Oversee production deployments, monitor application performance, troubleshoot issues, and ensure data integrity and security.
- Write and maintain technical documentation such as system diagrams, API specifications, and deployment guides.
- Stay updated on emerging technologies, frameworks, and best practices in fullstack development to continuously improve the development process and product quality.
- Perform unit testing and participate in peer code reviews.
- Maintain clear technical documentation for features and system architecture.
- Work closely with product managers, UI/UX designers, and blockchain engineers.
- Participate in daily standups, sprint planning, and demo sessions.

Qualifications:

- Bachelor's degree in Computer Science, Software Engineering, or a related field.
- 03–05 years of professional experience in fullstack web development.
- Proficiency in frontend technologies such as React, Angular, Vue.js, HTML5, CSS3, and JavaScript.
- Solid experience with backend technologies such as Node.js, Python, Java, or PHP.
- Experience with relational and NoSQL databases (e.g., MySQL, PostgreSQL, MongoDB).

- Familiarity with RESTful API design and integration.
- Strong problem-solving skills and ability to debug and optimize application performance.
- Experience working in Agile development environments and collaborating with cross-functional teams.
- Good communication skills and ability to mentor junior developers is a must.
- Understanding of software architecture principles, version control systems (e.g., Git), and CI/CD pipelines.

What We Offer

- **Opportunity to work on mission-driven blockchain projects**
- **Learning-focused environment with training & mentorship**
- **Cross-functional collaboration with R&D and creative teams**

Please share links to at least 2 major fullstack projects you've worked on.

(GitHub, GitLab, Bitbucket, live link, or private repo access)

**** Mention your role and what technologies you used on both frontend and backend.**

System Architecture & API Design

Pick one project from your submission and describe its architecture: (Share google doc link or others)

1. Technologies used (frontend/backend/database)
2. Architecture pattern (e.g., MVC, microservices, monolith)
3. Deployment stack (hosting, CDN, CI/CD pipeline)
4. Diagram (optional, if available)

Provide a link to one of your projects that contains:

README file or API documentation (Postman collection, Swagger, etc.) or Technical documentation or inline comments that demonstrate clarity and maintainability

Educational Qualification: Bachelor's in CSE or equivalent experience.

Work Location: Onsite – Baridhara DOHS, Dhaka.

Working Days: 5 days/week.

Job Duration: Full-Time, Permanent.

Compensation: Competitive (based on experience).

6. Full Stack Developer – Level 1 (Junior)

About this Role:

As a **Fullstack Developer – Level 1**, you'll be responsible for assisting in the development of both backend and frontend systems for Onchain's applications. This role is ideal for someone eager to learn, grow, and contribute to impactful Web3, blockchain, and SaaS products.

Key Responsibilities

- Contribute to the creation of interactive user interfaces using popular frontend technologies like React, Vue, or equivalent frameworks.
- Assist backend development tasks under supervision using platforms such as Node.js, Express, or Python-based tools.
- Collaborate on connecting frontend components with backend services and APIs.
- Work with databases like PostgreSQL, MongoDB, or Firebase to store and retrieve data efficiently.
- Help implement third-party integrations, authentication systems, and API connectivity.
- Write clean, maintainable, and secure code following industry best practices.
- Develop mobile-responsive web applications using frameworks like React.js or Next.js.
- Convert UI/UX designs from tools like Figma into live, functional code components.
- Ensure optimized performance across multiple devices and web browsers.
- Identify and fix UI bugs and improve the interface based on design or QA feedback.
- Conduct basic unit testing and engage in team-based code review sessions.
- Keep well-organized technical documentation for features, workflows, and architecture.
- Collaborate with cross-functional teams including product leads, designers, and blockchain developers.
- Participate in daily standups, sprint planning, and demo sessions.

Required Qualifications

- Bachelor's degree in Computer Science, Engineering, or related field
- Proficiency in JavaScript/TypeScript, HTML5, CSS3
- Basic experience with any backend framework (Node.js/Express.js preferred)
- Familiarity with Git, RESTful APIs, and basic DevOps practices
- Understanding of design principles and responsive web design
- Willingness to learn blockchain, smart contracts, and Web3 fundamentals

Preferred (Bonus) Skills

- Experience with React, Next.js, or Vue.js
- Knowledge of GraphQL, Firebase, or Docker
- Exposure to Solidity or smart contract platforms
- Participation in hackathons, coding competitions, or open-source projects

What We Offer

- Opportunity to work on mission-driven blockchain projects
- Learning-focused environment with training & mentorship
- Cross-functional collaboration with R&D and creative teams
- Scope to grow into specialized roles (Backend, Frontend, DevOps, or Web3)

Link at least one project you've developed (Github, CodeSandbox, live link, etc)

Educational Qualification: Bachelor's in CSE or relevant field.

Location: Onchain HQ, Baridhara DOHS, Dhaka (Full-Time, Onsite)

Employment Type: Permanent

Salary: Based on experience (Competitive, with performance-based growth)

Working Schedule: 6 days/week

7. Junior UI/UX Developer

Job Summary

As a Junior UI/UX Developer, you will support the product and development teams in designing user-centric digital interfaces that are both visually appealing and functionally seamless. You'll work on websites, dashboards, mobile apps, and blockchain interfaces.

This position is ideal for someone with a strong visual design sense and a curiosity to design across Web2 and Web3 experiences.

Portfolio Requirement

We recommend this role for candidates with a **portfolio containing at least:**

- 5 Platforms (Personal 60%, Professional 30%, Academic 10%)
- 5 Landing Pages
- 5 Application UI designs (Minimum 2 Professional, 3 Personal Projects)
- *Portfolios must be submitted during the application process. GitHub/Dribbble/Behance or personal website links are acceptable.*

Key ResponsibilitiesUI/UX Design

- Design and iterate on user interfaces for websites, mobile apps, dashboards, and blockchain-based platforms
- Translate user stories and wireframes into responsive, high-fidelity UI designs
- Create prototypes and user flows to visualize key user journeys
- Collaborate with developers to ensure pixel-perfect implementation

Research & User Experience

- Conduct user and competitor research to guide design decisions
- Run usability tests and analyze feedback to improve UX flows
- Continuously optimize interfaces for accessibility and responsiveness

Collaboration & Process

- Work closely with product managers, developers, and the branding team
- Maintain design documentation, asset libraries, and style guides
- Stay updated with UI/UX best practices, trends, and Web3 interface conventions
- Participate in daily standups, sprint reviews, and design reviews

Skills & Tools

- Proficiency in Figma (required)
- Basic knowledge of design systems, layout grids, color theory, and typography
- Familiarity with prototyping and motion tools (Framer, Adobe XD, etc.)
- Good understanding of responsive web and mobile design
- Bonus: Knowledge of HTML/CSS or front-end dev basics
- Good communication and documentation skills

Education & Experience

Bachelor's degree in Design, CSE, Multimedia, or related field (or equivalent portfolio/experience)

2 years of experience (internships, freelancing, and personal projects count)

What We Offer

- A collaborative design and product-driven culture
- Opportunity to work on national-scale blockchain and digital products
- Growth opportunities across design, product, and creative tech roles
- Competitive compensation
- Access to design mentors and learning resources

Job Type: Full-Time

Location: Onsite/ Hybrid

Salary Range: 25,000–35,000 BDT (Based on experience and portfolio quality)

Reporting To: CXO

8. Blockchain Developer – Level 3 (Senior)

Position Overview:

The Blockchain Developer – Level 3 is a senior technical leader responsible for architecting, developing, and optimizing advanced blockchain solutions. This role involves designing secure, scalable blockchain architectures, leading project teams, and ensuring the successful delivery of decentralized applications and smart contracts aligned with business goals.

Key Responsibilities:

- Architect, design, and implement secure, scalable blockchain-based systems and decentralized applications
- Lead the development and optimization of smart contracts (e.g., Solidity, Vyper, Rust) for EVM-compatible and/or other blockchain platforms
- Analyze organizational needs, translate business requirements into technical solutions, and communicate these effectively to stakeholders and team members
- Oversee and mentor other developers, providing technical direction and conducting code reviews to ensure best practices and high-quality deliverables
- Collaborate with cross-functional teams (product, QA, design, management) to define, develop, and deliver new blockchain features and solutions
- Research, evaluate, and integrate emerging blockchain technologies, tools, and security protocols to optimize and secure applications
- Support pre-sales activities and client workshops with blockchain expertise, including project estimation and technical advisory
- Ensure robust documentation of blockchain development processes, including system architecture, APIs, and deployment guides
- Maintain and extend client-side and server-side blockchain applications; troubleshoot, debug, and optimize performance and security
- Uphold the latest security measures to protect digital assets and data integrity within blockchain networks

Required Qualifications:

- 5+ years of experience in software development, with at least 3 years focused on blockchain technologies
- Deep expertise in blockchain platforms such as Ethereum, Hyperledger, Solana, or similar
- Advanced proficiency in smart contract languages (Solidity, Vyper, Rust, etc.) and blockchain frameworks
- Strong understanding of cryptography, consensus algorithms, and distributed systems
- Experience with cloud platforms (AWS, Azure) and DevOps practices is a plus
- Excellent problem-solving, communication, and leadership skills

Primary Goal:

To lead the design, development, and deployment of secure, innovative blockchain solutions that drive Onchain Software & Research Limited's digital transformation and decentralized technology initiatives.

Work Location: Onsite – Baridhara DOHS, Dhaka.

Working Days: 5 days/week.

Job Duration: Full-Time, Permanent.

Compensation: Competitive (negotiable).

9. Junior Research Associate

About the Role:

The Junior Research Associate will support cutting-edge research in the fields of technology, robotics, blockchain, and artificial intelligence. This role involves conducting literature reviews, assisting with experiments and data analysis, and contributing to research publications. Candidates must have a foundational understanding of programming concepts and testing methodologies, along with strong academic writing skills to produce conference papers and journal articles following standard publishing formats.

Key Responsibilities:

- Conduct comprehensive literature reviews and synthesize findings related to robotics, blockchain, AI, and emerging technologies.
- Assist in designing and executing experiments, including data collection, testing, and basic programming tasks under supervision.
- Analyze and interpret research data using appropriate tools and methodologies.
- Support the development and testing of prototypes or simulations in robotics and AI projects.
- Draft and contribute to research papers, conference submissions, and technical reports adhering to standard publishing guidelines.
- Ensure at least one co-authored conference paper publication annually.
- Collaborate with senior researchers and interdisciplinary teams to align research activities with project goals.
- Maintain accurate documentation of research processes, test results, and code snippets.
- Stay updated on advancements in blockchain, AI, robotics, and related programming languages.

Qualifications:

- Bachelor's degree in Computer Science, Engineering, Robotics, AI, or a related technical field; Master's degree preferred.
- Minimum 1 conference paper published or under review in a relevant research area.
- Basic understanding of programming languages such as Python, Java, C++, or Solidity.
- Familiarity with software testing principles and data validation techniques.
- Experience with data analysis tools (e.g., Python libraries, MATLAB, R) is a plus.
- Strong academic writing skills with the ability to prepare research papers in standard formats (IMRaD, IEEE, APA).
- Detail-oriented, organized, and able to work independently and collaboratively.
- Good communication skills for presenting research findings and writing technical documentation.

Preferred Skills:

- Exposure to blockchain development tools and smart contract programming.
- Knowledge of robotics simulation environments and AI frameworks (e.g., TensorFlow, ROS).
- Experience with version control systems (Git) and collaborative platforms (Overleaf, Jupyter).

Work Location: Onsite – Baridhara DOHS, Dhaka.

Working Days: 5 days/week.

Job Duration: Full-Time, Permanent.

Compensation: Competitive (depending on profile)

We hope this comprehensive breakdown addresses your requirements. Please let us know if any additional information is needed. We appreciate your continued support and collaboration.