MERN Stack Intern - Job Description

Position: MERN Stack Intern

Type: Internship (Full-time / Part-time / Remote / Onsite / Hybrid)

Duration: 3 to 6 months

Location: [City, Remote / Hybrid / Office]

Stipend / Compensation: [Optional / Negotiable]

About Us:

[Brief intro about the company, mission, domain, tech stack, product, and your engineering culture.]

Role Overview:

As a MERN Stack Intern, you will work on building and maintaining full-stack web applications using

MongoDB, Express.js,

React, and Node.js. You will gain hands-on experience in modern web development, API design,

and application deployment.

You will collaborate with designers, backend developers, and product managers to deliver

user-centric solutions.

Key Responsibilities:

- Develop, test, and deploy responsive web applications using the MERN stack.

- Assist in designing RESTful APIs and integrating them with front-end components.

- Write clean, reusable, and efficient code following best practices.

- Work with UI/UX teams to translate wireframes into high-quality code.

- Debug and optimize application performance.

- Manage state effectively in React using Context, Redux, or other libraries.

- Implement authentication and authorization workflows (JWT, OAuth, etc.).

- Handle database operations with MongoDB (CRUD, schema design, aggregation).

- Use Git for version control and collaborate via GitHub/GitLab.

- Participate in code reviews, documentation, and daily standups.

- Learn and apply DevOps basics for deploying and monitoring applications.

Required Skills & Qualifications:

- Pursuing or recently completed a degree in Computer Science, IT, or equivalent.

- Strong understanding of JavaScript (ES6+).

- Basic knowledge of front-end technologies: HTML5, CSS3, and React.js.

- Understanding of Node.js and Express.js for backend services.

- Familiarity with MongoDB and basic database operations.

- Knowledge of RESTful API design.

- Basic understanding of Git and version control.

- Problem-solving skills and eagerness to learn.

Preferred / Bonus Skills:

- Experience with Next.js, TypeScript, or Tailwind CSS.

- Understanding of state management (Redux, Zustand, Recoil, etc.).

- Familiarity with Docker and containerized environments.

- Experience with cloud services (AWS, Vercel, Render, etc.).

- Knowledge of CI/CD pipelines and deployment practices.

- Exposure to testing frameworks (Jest, Mocha, Cypress).

- Experience building personal or academic MERN projects (portfolio preferred).

Learning Outcomes / What You Will Gain:

- Experience in full-stack application development.

- Understanding of component-driven architecture and microservices.

- Exposure to real-world projects and production workflows.

- Mentorship from experienced engineers.

- Opportunity to contribute to open-source or live client projects.

- Possible full-time offer upon successful completion.

Evaluation / Selection Process:

1. Resume and portfolio screening.

2. Short technical test (JS, React, or Node).

3. Technical interview.

4. Culture and team-fit discussion.

5. Offer and onboarding.

How to Apply:

Send your resume, GitHub/project links, and a short note about your favorite MERN project to

[email@company.com]

with subject "Application for MERN Stack Intern - [Your Name]".