

Full Stack Developer

Location: Bangalore, India

To apply: Email your resume and cover letter to careers@boomitra.com.

Main Purpose

Responsible for the design, development, deployment and maintenance applications of both frontend and backend components of our web and mobile applications. The ideal candidate must have experience with modern JavaScript frameworks, cloud technologies, and a passion for building scalable, high-performance applications.

Responsibilities

- Design and Develop scalable web and mobile applications to model real-world problems using vast datasets.
- Build RESTful APIs and GraphQL endpoints
- Develop UI and other user facing applications. Further implement responsive, intuitive user interfaces
- Optimize application performance for low latency and high reliability
- Transition monolithic architectures to microservices
- Integrate with cloud services (AWS, Firebase, etc.)
- Implement real-time features using WebSockets or similar technologies
- Participate in code reviews and technical documentation
- Troubleshoot and resolve technical issues across the application stack
- Design SDK & API's for processing Geospatial data sets at scale.
- Fix complex issues by doing a thorough analysis of the root cause and impact of the defect.
- Participate in all stages of the product development process, including designing, building, and testing.
- Resolving problems encountered by users, whether these require only quick fixes or major collaborative efforts across various departments.
- Have a deep understanding of the product as well as the processes behind it.
- Must communicate well with users/team, paying attention to their concerns and providing clear, regular updates for ongoing requests.
- Attention to detail which includes creating extensive documentation, tracking errors, and making changes to products.

Qualifications, Experience & Competencies

Minimum

- Bachelors or Masters Degree in Computer Science or Engineering
- 2-4 years of experience in full stack development
- Proficiency in Node.js, Express.js, and modern JavaScript/TypeScript
- Strong knowledge of frontend technologies (React.js, Next.js, CSS/SCSS)
- Experience with database technologies (PostgreSQL, MySQL, MongoDB)
- Familiarity with ORM frameworks and database design principles
- Experience with RESTful API design and implementation
- Knowledge of cloud platforms, particularly AWS services (S3, SES, SQS, EC2, RDS, Lambda, Redshift)
- Understanding of microservice architecture principles
- Experience with real-time communication technologies (Socket.IO)
- Familiarity with version control systems (Git)
- Strong problem-solving skills and attention to detail

Preferred

- Experience with React Native and mobile app development

- Knowledge of blockchain technologies and decentralized applications
- Experience with Docker and containerization
- Understanding of CI/CD pipelines and DevOps practices
- Familiarity with Redis or other caching solutions
- Experience with serverless architectures
- Knowledge of WebSocket protocols and implementation

Join the Team Making a Global Impact on Climate Change

Are you interested in moving the needle on climate change? At Boomitra, we're not just a company—we're a mission-driven movement tackling one of the greatest challenges of our time: climate change. As a fast-growing leader in Climate Tech, we are pioneering solutions that make a real difference, empowering small farmers worldwide while creating a sustainable future for all. We aim to reduce humanity's entire carbon footprint by 20% in the next 10 years! You will also have the chance to do exciting work at the forefront of satellite and AI technology, while solving major problems for our Fortune 500 clients! We are funded and backed by top Fortune 500 companies who truly care about mitigating climate change at scale!

Why Work With Us?

Be Part of Global Change: Collaborate with a passionate, international team working on cutting-edge solutions to combat climate change and promote environmental sustainability.

Shape the Future: Join us in scaling a transformative business from the ground up, with opportunities to drive real impact at every stage.

Flexible and Supportive Work Culture: We offer a flexible schedule, generous vacation days, and a strong commitment to work-life balance, tailored to accommodate individual needs.

Diversity and Inclusion: We celebrate diversity and are committed to creating an environment where everyone—regardless of background—can thrive.

Commitment to Growth: Personal development, continuous learning, and diversification of skills are at the heart of what we do.

What We Offer

- Competitive salary packages aligned with experience and responsibilities.
- Comprehensive benefits, including personal time off and professional development support.
- The chance to work alongside dedicated experts from around the world, building high-performing cross-functional teams.

Our Impact

We are proud to be recognized globally for our groundbreaking work:

- **TIME Magazine's 100 Most Influential Companies (2024):** Highlighting organizations making extraordinary global impacts.
- **The Earthshot Prize Winner – 2023 (Fix Our Climate):** Awarded by HRH Prince William for our innovative approach to soil carbon sequestration.

By partnering with farmers and ranchers, we drive regenerative land management practices that capture and store carbon, enhance soil health, and increase agricultural yields. These efforts improve biodiversity and water quality while providing farmers with additional income through carbon credits.

Our Commitment to Equal Opportunity

We are an equal opportunity employer dedicated to fostering a culture of mutual respect and inclusivity. We do not discriminate based on race, color, religion, gender, age, or any other characteristic protected by law. Diversity and inclusion are essential to our success, and we strive to create a workplace that supports personal and professional growth for all.

If you're ready to join a dynamic team that's transforming the planet, **we'd love to hear from you.** Together, we're recarbonizing the soil and protecting our shared future.