

SHISHIR BHURTEL

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Lalitpur, Bagmati, Nepal

Self-motivated and enthusiastic Node.js Developer with 3+ years of experience in javascript ecosystem. Strong expertise in JavaScript, TypeScript, Node.js, React.js, MongoDB, and Express.js. Skilled in designing scalable web applications, API development, real-time data processing, and cloud-based deployments. Passionate about backend optimization and creating secure, maintainable solutions.

STRENGTHS

Backend Development	Database Designing	Team Leadership
Problem Solving	Frontend Development	Communication
API designing	Testing	Clean Code

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, Go
- **Backend:** Node.js, Express.js, Fastify
- **Frontend:** React.js, Redux.js, Next.js
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools:** Git, Docker, AWS, Jenkins
- **Testing:** Jest, SuperTest
- **Development Practices:** Test-Driven Development (TDD), Refactoring, Extreme Programming, Clean Code

EDUCATION

- **Tribhuvan University, Kathmandu**
Bachelors in Computer Science and Information Technology
- **Trinity International College, 2019 to 2020**
High School (3.64 GPA)

EXPERIENCE

AppCentric (US) | Full stack developer (Contract) December 2024 - Present

A leading tech solutions provider, specializing in backend development for scalable enterprise applications. Worked on two key projects: BackTolt and BidStruct.

Accomplishments:

BackTolt Project:

- Optimized RESTful APIs: Enhanced API response times by 10% and reduced database query times by 8%, leading to improved user engagement and satisfaction.
- Third-Party Integrations: Successfully integrated third-party services and implemented caching strategies, resulting in a more responsive and efficient application.

BidStruct Project:

- User Interface Development: Developed and integrated React.js and Redux.js, along with various UI libraries, to create an intuitive and user-friendly interface for the government-based bidding platform.
- Enhanced User Experience: Contributed to a seamless and efficient user experience, facilitating smoother interactions for users.

Drove the organisation to remarkable achievements, helped to accomplish multiple national level projects in Netherlands and Germany.

Accomplishments:

- Developed and maintained RESTful APIs using Express.js, Next.js and MongoDB.
- Implemented secure authentication with OAuth and JWT.
- Integrated Stripe API for payment processing.
- Collaborated on React.js frontend development.
- Worked in national level projects, government exam assigning platform in PayloadCMS being one of them.
- Collaborated closely with teams, implementing Domain-Centric Architectures.
- Improved backend architecture to handle more than 100K concurrent users.

Freelance Web Developer**December 2021 - March 2024****Fiverr, Upwork**

Offered custom web development services on popular platforms like Fiverr and Upwork. Specialized in creating tailored solutions for clients ranging from small businesses to entrepreneurs with node.js based software solutions.

Accomplishments:

- Completed over 75 tasks/orders with over 40 unique clients all over the world.
- Gained "Level 2" in Fiverr and "Top rated" in Upwork in short period of time.
- Consistently delivered high quality results exceeding client's expectations, resulting in positive feedbacks, repeat business and referrals.
- Committed to delivering projects on time and budget, maintaining transparency and open communication with clients.

RECENT PROJECTS

ShareMeDirect:- A Peer to peer file transfer system

Developed a peer-to-peer (P2P) file transfer platform, enabling secure, serverless file sharing using WebRTC and WebSockets. The platform ensures seamless real-time data transfer, maintaining privacy and high availability without reliance on centralized storage.

- Created a websocket server for transferring ICE candidates.
- Implemented WebRTC connection for sharing file between peers.
- Implemented File download limit in the same system.
- Developed the frontend of the system with next.js.

Penvoke :- A social media for writers

Created and implemented the entire backend solution for Penvoke, a social media platform designed to connect writers, literature enthusiasts, and content creators using Level 3 **Richardson's maturity Model**. This platform allows users to share their writings, interact with posts, and create a network around shared interests.

- Developed RESTful APIs using Express.js.
- Implemented Socket.IO for real-time communication and notifications.
- Used Redis caching to optimize performance.
- Containerized the app with Docker for easier deployment.
- Set up Prometheus for monitoring and Winston for logging.
- Enabled secure authentication with JWT and OAuth.

CONTACT

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Upwork	https://www.upwork.com/freelancers/~01057ddfd5f75dcab7

References are available upon request.