Asif Hossain

Software Engineer

📄 Full work rights in Australia   🚩 Subclass 491 Invite Received   ✉ asifhossain976@gmail.com

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Profile

Result-driven Full-Stack Developer with strong CS fundamentals and ability to quickly learn new technologies. Skilled in designing, developing, and deploying scalable web applications across the full SDLC. Proficient in JavaScript, TypeScript, React.js/Next.js, Node.js, and MongoDB/PostgreSQL, with additional experience in Python, PHP, and MySQL. Experienced in RESTful APIs, authentication systems, cloud deployment, Agile workflows, and CI/CD pipelines. Based in Wollongong and recently invited for the Subclass 491 visa, demonstrating long-term commitment to regional New South Wales and stability for ongoing employment.

Skills

Programming Language: JavaScript (ES6+), TypeScript, Python, PHP, SQL

Frontend: React.js, Next.js, HTML5, CSS3, TailwindCSS, Bootstrap, Responsive Design

Backend: Node.js, Express.js, Laravel, RESTful APIs, Microservices Architecture

CMS & Design Tools: WordPress, Figma, Adobe XD, Flutterflow (learning)

Database: MongoDB, PostgreSQL, MySQL, Firebase (Firestore & Realtime DB)

Cloud & DevOps: AWS (EC2, S3, Lambda – basic), Netlify, Heroku, Railway, Git, GitHub Actions, CI/CD Pipelines, Docker (basic), CPanel

Security & Authentication: JWT, OAuth 2.0, Firebase Auth, Role-Based Access Control (RBAC)

Testing & QA: Jest, Postman (API Testing), Unit & Integration Testing, Debugging/Performance Tuning

Methodologies & Tools: Agile/Scrum, SDLC, Version Control (Git), Linux/Ubuntu, Jira

Professional Experience

Web Application Developer (Contract)
Mendoza Brothers Holdings, LLC – Florida, USA
Dec/2022 - Jun/2024
- Designed and developed a Medical Supplier Management System to streamline order tracking, staff management, and supplier workflows.
- Automated bulk dataset upload/download with Excel integration, reducing administrative workload by 60%.
- Integrated a real-time chat system, improving collaboration and reducing issue resolution time by 35%.
- Built a secure backend using Node.js and RESTful APIs, ensuring high performance, reliability, and scalability.
- Implemented JWT authentication and role-based access control, strengthening data security and compliance.
- Collaborated with stakeholders to gather requirements, deliver iterations in Agile sprints, and meet tight deadlines.
(Tech: Node.js, React.js, MongoDB, Excel Integration, JWT, REST APIs, Agile, Postman)

Freelance Software Engineer (Remote)
Fiverr 🔗
Feb/2021 - Sept/2023
• Completed 50+ client projects with 100% satisfaction and consistent 5-star reviews, delivering high-quality, reliable solutions across diverse business needs.
• Built and deployed 10+ full-stack web applications covering frontend (React.js, Next.js) and backend (Node.js, Express, MongoDB, PostgreSQL) development.
• Customized existing systems by adding new features, fixing complex bugs, and improving UI/UX performance.
• Integrated RESTful APIs, Firebase authentication, and secure payment gateways (Stripe, PayPal) for seamless user experiences.
• Implemented CI/CD pipelines using GitHub Actions, Netlify, Heroku, and Railway, ensuring fast and stable deployments.
• Collaborated with international clients using Agile practices, maintaining clear communication and timely delivery.

- Focused on clean code, scalability, and performance optimization to deliver production-ready applications trusted by clients worldwide.

(Tech: React.js, Next.js, Node.js, Express.js, MongoDB, PostgreSQL, Firebase, AWS, TailwindCSS, GitHub Actions, Netlify, Heroku, Railway, Jest, Postman)

Teaching Assistant – Computer Science   09/2021 – 12/2021

American International University - Bangladesh (AIUB) 🔗

Sept/2021 - Dec/2021

- Assisted in delivering programming labs, mentoring 30+ students in coding/debugging.Strengthened communication and problem-solving skills by simplifying complex concepts.

Projects

ASSERT Prediction Platform 🔗

Blockchain Web Application

- Co-developed an innovative blockchain-based sports prediction platform integrating Solidity smart contracts with real-time token transactions.
- Engineered a daily reward token mechanism, boosting user engagement and increasing platform activity by 40%.
- Built a secure Node.js backend with Web3.js, enabling seamless blockchain interactions while preventing fraudulent activity.
- Designed and implemented authentication and role-based access control, ensuring platform security and scalability.
- Deployed with Agile sprints and optimized for performance, achieving smooth cross-platform usability.

(Tech: Solidity, Node.js, Web3.js, React.js, Ganache, MongoDB, Firebase, JWT, Agile)

Achievements & Awards

Dean's List Honors

Dean's List Honors from American International University-Bangladesh (AIUB) For successfully earning a grade point average (GPA) of 3.86 out of 4.00.

SJ Innovation Hackathon

1st runner-up

Giving a unique solution to a current problem (Education Sector) and building an application according to the given solution

Additional Information

- Subclass 491 invitation received, demonstrating long-term regional commitment
- Holds Temporary Graduate Visa Subclass 485 with full work rights
- Current Australian Driver's Licence
- Able to obtain National Police Check and Working with Children Check if required
- Available for flexible and hybrid work arrangements

Education

Masters of Computer Science (Software Engineering)   07/2023 – 07/2025 | Wollongong, Australia

University of Wollongong 🔗

Bachelor of Computer Science and Engineering   01/2018 – 01/2022 | Dhaka, Bangladesh

American International University - Bangladesh (AIUB)

Certificates

Complete Web Development: Hands-on training in full-stack development (HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB). Covered authentication (Firebase, JWT), API development, and deployment (Vercel, Netlify).