Prajeet Shrestha

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Software engineer with experience in full-stack development, distributed systems, and blockchain technologies. Skilled in designing scalable applications and working across front-end, back-end, and cloud environments. Seeking opportunities to study to deepen my knowledge in system design and emerging technologies.

EDUCATION

Bachelor of Science in Computer Science
Kathmandu University, Dhulikhel, Nepal | 2017 - 2022 | CGPA: 3.26 / 4.00
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Systems, Cloud Computing, Software Engineering

Higher Secondary Education (CBSE +2 Science)
Delhi Public School, BPKIHS Dharan, Nepal | 2015 - 2017

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Venture23   *November 2022 – Present, Remote - Nepal*

- Led the engineering development of Vendetta, a fully on-chain game on the Sui blockchain, contributing to system architecture, Move smart contract development, and procedural map-generation research using TypeScript, Rust, Move, React, and Node.js.
- Implemented Mysten Labs' SEAL technology, contributing to the technical foundation required for successful grant evaluations and alignment with the Sui ecosystem.
- Developed multi-chain decentralized applications across ICON, Base (EVM), and Sui, enabling reliable smart-contract interoperability using Ethers.js, Web3.js, ICON SDK, Move, and Solidity.
- Designed and built blockchain-enabled gaming systems, including a Web3 virtual city (Phaser 3) and a fully on-chain MMORPG, with a focus on decentralized logic, trustless state management, and efficient on-chain computation.

Web3 Frontend Developer | iBriz.ai   *October 2021 – November 2022, Remote - Nepal*

- Developed interactive Web3 user interfaces with wallet integrations such as MetaMask, ICONex, and Ledger, enabling secure interaction with ICON and EVM-compatible networks.
- Built responsive and accessible React / Next.js front-end components, ensuring stable smart-contract communication via Web3.js, Ethers.js, ICON SDK, and JSON-RPC.
- Developed a game simulation engine for a blockchain-based RPG (Gangwars) using Node.js and TypeScript, supporting core gameplay logic and system interactions.

Full Stack Developer | Akriveia Healthtech   *May 2021 - October 2021, Remote - Nepal*

- Developed a health-resource search platform using Primate and implemented a custom search engine with AWS CloudSearch, improving structured data access and information retrieval.
- Built serverless backend services using Node.js AWS Lambda, including authentication, data processing, and internal utilities, contributing to scalable system architecture.
- Implemented front-end components and user workflows in Angular, delivering responsive interfaces aligned with design and accessibility guidelines.
- Contributed to early-stage product development through architectural discussions, feature planning, and technical feasibility analysis.

INVOLVEMENT

Local Committee Vice President Social Sec | AIESEC Nepal   *February 2019 - February 2020, Dhulikhel - Nepal*

- Coordinated committee operations for social impact initiatives, developing experience in team leadership, project planning, crisis management, and organizational communication.
- Led the execution of six community-oriented projects aligned with the United Nations Sustainable Development Goals (SDGs) across the Kavre and Bhaktapur districts, facilitating volunteer opportunities for 30+ international participants.
- Contributed to measurable improvements in operational performance across two key organizational programs, recognized through an internal achievement award.

PROJECTS

Contributed across all listed projects, including component development, plugin creation, game and engine implementation, UI/UX design, and code review.

- **Geo-G- Search** - Location Based Search Engine   2021   [Website↗](#) [Github↗](#)
- **Mp3 Webflow Plugin** - Audio Plugin for Webflow   2021   [Github↗](#)
- **Primate** - Substack for Health information   2021   [Figma files↗](#) [Github↗](#)
- **KUoom** - Student Accommodation & Room Booking Platform   2021   [Website↗](#) [Github↗](#)
- **My Parkishya** - Online Exam Prep. System   2021   [Website↗](#)
- **Transportation Fare Optimization** - Fare optimization based on Dijkstra Algorithm   2021   [Github↗](#)
- **Nora | The Banking Bot** - The Chatbot "Nora"   2021   [Github↗](#)
- **Color Picker** - Color Picker and Palette Creator for Designers   2021   [Website↗](#) [Github↗](#)
- **Kerberos Auth System** - Implementation of Kerberos Algorithm   2021   [Demo↗](#) [Github↗](#)
- **Punker** - Simple Shooter Game on Phaser 3   2023   [Demo↗](#) [Github↗](#)
- **YMImagineers** - Service Provider Company Website   2023   [Website↗](#)
- **Battle Simulation Engine** - Created Battle Simulation Engine for a Web3 Game   2024   [Website↗](#)
- **Sui Table Explorer** - Web tool for exploring Sui blockchain table and object data   2025   [Website↗](#) [Github↗](#)
- **Vendetta** - Fully on-chain game written on Sui Move   2025   [Website↗](#)

SKILLS

- Programming Languages
  TypeScript, JavaScript, Python, C++, C,Java, Rust, Move, Solidity
- Frameworks & Libraries
  React.js, Next.js, AngularJS, Node.js, Phaser 3, Unity 2D, Godot, jQuery
- Cloud Platforms & Databases
  Amazon Web Services (AWS), Google Cloud Platform (GCP), MongoDB, Firebase
- Blockchain & Web3 Technologies
  Smart Contract Development (Move, Solidity), Web3.js, Ethers.js, ICON SDK, JSON-RPC, Wallet Integrations (MetaMask, ICONex, Ledger)
- Software Engineering Competencies
  Algorithms & Data Structures, Object-Oriented Programming, Software Testing & Debugging, Distributed Systems Concepts, System Design Fundamentals
- Analytical & Professional Skills
  Problem Solving, Logical Reasoning, Cross-Functional Collaboration, Technical Documentation, Project Coordination
- Design & Prototyping Tools
  Figma, Adobe Photoshop, GIMP