

# SAJAL REGMI

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## EDUCATION

### Arizona State University

Bachelors of Science in Engineering in Biomedical Engineering ( Devices )

August 2021 - May 2025

Tempe, Arizona

## SKILLS

### Languages & Database

Java, Python, C#, JavaScript, MySQL, Redis, MongoDB.

### Engineering Tools

MATLAB, SolidWorks, Fusion 360, AutoCAD, SPICE, LabView, Arduino.

### Product Management

Agile Methodologies, Scrum, SDLC, Product Roadmapping, User Experience Design.

## EXPERIENCE

### Entrepreneur In Residence

Creatiphe LLC

April 2024 - June 2024

Remote

- Refined business evaluation process for newly established holding company by introducing rigorous testing strategies and clear success metrics, fostering a data-driven culture that supports long-term strategic investments.
- Presented startup ideas weekly, developed business documents, worked with freelancers to develop MVPs, and implemented testing strategies including running targeted ad campaigns enhancing engagement and conversions by 30%.
- Increased [Happy O'Clock's](#) revenue by 10% by strategically integrating automation tools via Make.com streamlining workflows, applying targeted retention strategies to reduce customer churn.
- Incubated a talent agency to bridge the gap between Nepalese tech talent and global opportunities with a commitment to building strong, future-focused teams, reviewing about 500 applications.

### Co-Founder and Engineer

Ticket Sewa Pvt Ltd

May 2023 - May 2024

Remote, Nepal

- Held multiple roles leading product development from strategic planning and competitive analysis to product roadmapping and User Experience Design for Mobile Application and Organizer Dashboard. [Ticket Sewa App \(Currently Testing\)](#) .
- Orchestrated the hiring process to onboard 6 talented engineers, fostering a dynamic team that improved project turnaround time by 30% and elevated code quality, reducing bugs by 20%.
- Spearheaded daily stand-ups, and sprint planning sessions, promoting agile practices boosting project velocity by 25%.
- Engineered REST APIs using Node.js and Express within a microservices framework, including a custom-built API Gateway; optimized database schema to enhance data integrity, system scalability, and security, resulting in a 40% performance boost.
- Deployed applications on Amazon EC2, utilizing Amazon RDS and ElastiCache, achieving 99.99% system availability.

### Product Development Intern

Karyathalo IT and Web Solutions Pvt Ltd

August 2020 - July 2021

Kathmandu, Nepal

- Managed project timelines, performed requirement gathering, oversaw resource allocation by holding regular meetings with the clients and also involved in development of E-Government system with PHP-WordPress framework for Kathmandu Metropolitan City, currently serving **4.2 million inhabitants**.[kathmandu.gov.np](https://kathmandu.gov.np).
- Directed a cross-functional team to create a complete solution for last-mile delivery in Nepal by utilizing stationary stores as pickup/drop-off stations, optimizing locations based on distance and population data, aimed at serving 6 million people and 200 online vendors across 4 cities [Pudo Nepal](#).

### Prototype Developer ( Game )

Super developers

February 2019 - February 2020

Remote ( Bulgaria )

- Brainstormed and conceptualized game ideas and mechanics, leading design and development of prototypes for 3 Hyper-Casual games in collaboration with SuperDevelopers using Unity Engine.
- Created ad creatives and tested prototypes by running targeted ads and video campaigns across multiple platforms, adhering to rapid iteration principles.
- Gathered event-based data using Facebook Unity SDK, logging gameplay metrics, leveraged this data, along with performance metrics such as CTR, CPI, RR to enable quick iterations and data-driven decisions for global releases and decreasing iteration time by 25%.

## PROJECTS

**EMG Volume Control:** Designed a circuit to control speaker volume with EMG signals from biceps, employing an Arduino microcontroller with custom-built filters and digital switches [Demo Video](#).