Raghunath Prabhakar

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PORTFOLIO WEBSITE

https://raghunathprabhakar.com/

EDUCATION

University of Winnipeg:
B.Sc. - Applied Computer Science (3-Yr) (In progress)
B.A. - Economics (3-Yr) (In progress)
Google Careers Certification – Project Management

EXPERIENCE

Backend Developer – Wavelength Digital
(January 2022 – Current)

A small-scale news application startup in collaboration with University of Calgary students - Wavelength was also selected in UC Calgary's 2021 Launchpad Program and is receiving funding from the University.

- Conducted surveys to better understand user needs.
- Created Login/Sign-up screens in React Native with user authentication using Firebase.
- Created app prototypes using Adobe XD and Canva and an initial website map.
- Worked in a team to create a dashboard to keep track of analytics and user data.
- Lead a team of junior students and taught them the fundamentals of collaboration using Git.

Project Assistant – UW Code Force (2021 - Current)
https://uwcodeforce.ca/

An initiative started by the students of the University of Winnipeg to bridge the gap between education and the work-force. **Organizing coding competitions and open source projects** throughout the academic school year; and helping students learn valuable industry skills such as working in a team, advanced problem solving, collaboration with Git (and other build tools) & application deployment.

- Active leadership role as Project Assistant.
- Kept track of current/planned issues for my team in biweekly Agile sprints.
- Reviewed code for junior peers/team members.
- Participated in weekly Agile like standup meetings with Project Leaders.
- Discussed weekly state of Kanban board in standup; gave suggestions & helped sort issues by priority.
- Discussed iterations; suggested & gave feedback on new issues for biweekly sprints.

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Sales and Marketing Associate – Amare Marketing (Subsidiary of GlobalFaces Direct)
(November 2021 – February 2022)
https://www.globalfacesdirect.com/

- Worked as a **door-to-door fundraiser** for the charities **Save the Children** and **Plan Canada.**
- Spread awareness about the charities in residential neighborhoods, talked to 50+ people every day.
- Used ethical sales strategies to encourage people to sign-up for our programs.
- Built rapport, handled objections and answered specific questions about the charity with confidence.

PROJECTS

Student Net (Open Source): Collaborated in an Agile environment to build a one stop solution for all kinds of student problems. A website where University of Winnipeg students can connect with each other and find useful information like job listings, rentals, used cars, ongoing student offers/discounts, course info and international student resources.

- Created Sign In/Sign Up pages with stateful form validation.
- Implemented Session based authentication using MySQL, passport and a combination of Express & NextJS API routing.
- Implemented loading/disabled states in submit forms to counter request spam.

Stack: Docker, MySQL, Next.js, React, Express, NodeJS
Repo: https://github.com/UWCodeForce/student-net/
More Info: https://raghunathprabhakar.com/projects/student-net/

Multiplayer Poker Game: Built a WebSocket based Multiplayer Poker Game with Token based authentication using a REST API. The game was created in effort to learn more about WebSockets and working with APIs.

- Implemented JWT authentication with Refresh/Access token patterns to protect against XSS (cross-site scripting) vulnerabilities.
- Created REST API endpoints for Sign In/Sign Up that validate and store data in a MongoDB database.
- Added hashing to user passwords before saving them in the database.
- Implemented logic for sending out confirmation emails to users, requiring them to activate their account before signing in.
- Implemented Room-code matchmaking and automatic Queue based matchmaking using Socket.io.

Stack: MongoDB, Express, React, NodeJS
Link: https://www.raghu-poker-game.netlify.app/
Repo: https://github.com/Raghuboi/multiplayer-poker-game/