

Aj Khatiwada

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Career Objective

A dedicated IT professional with a strong foundation in Network, Windows System and Cloud Services, have spent the last four years excelling in a hybrid role that uniquely combined technical support responsibilities with valuable exposure to website and app development. This experience has allowed me to leverage my passion for web development while improving my technical expertise. Eager to take the next decisive step in my career by transitioning into roles focused on web development, both front-end and full stack.

Personal Projects

JustOnlineTools

- A collection of web-based tools with client-side rendering.
- Live: <https://www.justonlinetools.com>

Tech Stack

- Built using Material UI, React and JavaScript on the front end.
- Uses React Context API for state management.
- Deployed with Vercel using Github repo.
- Automated deployment in two branches staging and live, Github (private repo) to Vercel.
- Implemented Google Analytics.

TTSnap

- A collection of web-based tools with server-side rendering.
- Live: <https://www.ttsnap.net>

Tech Stack

- Built using NextJS 13, Tailwind CSS, and TypeScript.
- Client and Server-Side Components.
- Context API for state management.
- NextJS App router for file-based routing.
- Deployed with Vercel using Github repo.
- Automated deployment in two branches staging and live, Github (private repo) to Vercel.
- Implemented Google Analytics.
- Node/Express JS Server on the back-end.

Express Node API Server

- Node/Express JS Server with multiple endpoints.
- Deployed in T3 Small AWS EC2 instance.
- Configured NodeJS server in Ubuntu 22.
- Nginx as reverse proxy and PM2 for production session management.
- SSL Certificate with Let's Encrypt.
- SQLite for Caching.

Portfolio Website

Available on: <https://khatiwadaaj.github.io/portfolio/>

- Built with NextJS 13, Tailwind CSS and TypeScript.
- Deployed in Github pages.

Github Link

- <https://github.com/khatiwadaaj>

Technical Skills

Computer System: Windows 7/8/10/11, Linux/Ubuntu, MacOS/iOS

Software: Microsoft Solution, Office 365, Synergetic, Active Directory, Microsoft Azure

Language Stack: HTML, CSS, JavaScript, ReactJS, NodeJS, MongoDB, Material UI, Tailwind CSS, PowerApps, Power Automate, Context API,

Other tools: Git/GitHub, VS Code, CI/CD, Agile Development, npm, Webpack, REST Api, GraphQL, Vercel Deployment, NextJS,

Employment History

ICT Support Technician, Arden Anglican School, Aug 2019 till date.

Job Responsibilities:

- Discussing with users and business stakeholders of ICT project requirements arising within the business.
- Developing appropriate solutions for infrastructure and/or recommending upgrades where required.
- Assessing business's requirements against the current infrastructure and suggesting changes to keep up with the business's ICT needs.
- Identifying appropriate technologies to be used considering its advantages and disadvantages.
- Writing complex program codes as per the project requirement.
- Conduct complex technical testing to resolve technical issues.
- Preparing and maintaining technical specification documents.
- SQL Server, MS Azure, PowerApps, Power Automate.
- Custom PowerApps development to meet the organizational needs.
- Automate several business processes using Power Platform.

Car Park Attendant, Point Parking Top Ryde City, Oct 2018 to Jul 2019.

Job Responsibilities:

- Provided Level 1 technical support to customers over intercom.
- Acted to resolve customers' complaints and comments in a prompt and friendly manner.
- Installed and maintained Boom Gates and Automatic Payment System.
- Communicated effectively to maintain good workflow and facilitate smooth operation of the parking lot.
- Provided excellent customer services and ensured all customers felt welcome.
- Prepared End of the Day report.

Smarika Samudayik Boarding School, Nepal – May 2014 to June 2016: IT Support Officer/Tutor

Job Responsibilities:

- Maintained computer labs according to the criteria set by the organization.
- Regularly updated software and kept track of the licensing.
- Troubleshooted IT related issues and rectified them.
- Installed and maintained hardware in the organization.

HONS, Nepal Sep 2013 to Dec 2013 – Internship: Junior Network/System Assistant

Job Responsibilities:

- Monitored performance of specific system and network devices.
- Tested and installed upgrades/patches to any new or old applications/equipment.
- Demonstrated problem solving skills by solving problems at clients' end by interacting with them online or via phone call.
- Installed, upgraded, and maintained hardware in the office.

Education

University of Wollongong, Australia – 2017

Master of Information and Communication Technology Advanced.

London Metropolitan University, England – 2013

BSc Honors in Networking and IT Security

University Projects

Analyzing Transport Behavior in Sydney Train Network by utilizing the Opal Data.

University of Wollongong, Wollongong.

Objective: To identify the Transport Behavior Pattern in Sydney Train Network by analyzing open data made available by Transport NSW.

Tools: Data Analysis performed in RStudio.

Duties: The team consist of four members, I was selected as the leader and had the responsibility to write the code in RStudio, as well as helping in designing and writing the final report.

Outcome: Specific behavior in travel pattern among the commuters between Sutherland and Central station of Illawarra line was identified.

Result: Obtained Distinction mark for this project.

References

Referees available on request.