SHEHROZ WASEEM
CLOUD NATIVE APPLICATION DEVELOPER

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SUMMARY

Dedicated and results-driven **Full Stack JavaScript Developer** with over 2 years of combined experience in development and **IT infrastructure management**. Proficient in **JavaScript, React, Node.js**, and **cloud platforms**, with a strong focus on security, automation, and DevOps practices. Adept at managing and optimizing IT systems, with a proven track record of improving operational efficiency and delivering scalable solutions.

EDUCATION

GEORGE BROWN COLLEGE   May 2023 - May 2024

Blockchain Specialization - Post Graduate Certificate
Relevant Courses: Blockchain | Ethereum | Solidity | Web3 | JavaScript | ReactJs | NodeJs

NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY   Sept 2018 - Sept 2022

Bachelors in Computer System Engineering
Relevant Courses: OOP | DBMS | DSA | Discrete Mathematics | Artificial Intelligence | Machine Learning | Algorithms

SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS, Solidity
Frameworks: NextJs, ReactJs, NodeJs, EtherJs, Redux-Toolkit, MaterialUI, ReactStrap, TailwindCSS
DevOps Tools: Docker, Kubernetes, GitHub Actions, Jenkins, Ansible, Terraform, Google Cloud
Others: MongoDB, Firebase, Git, Jira, Proxmox, VMWareEsXi

RELATED EXPERIENCE

PLC Group - Canada   February 2024 – Present
System Administrator - Co-op
Tools Used: Google Cloud Platform | Docker | Kubernetes | Ansible | Linux | Proxmox | Computer Networking
- ○ Manage **Docker** and **Kubernetes** to streamline development and deployment processes.
- ○ Oversee IT infrastructure in a PLC lab by configuring and **maintaining bare metal machines** setup. Expand RAM and hard disks as needed. Configure and **install routers and switches** for extensive network coverage.
- ○ Manage **Google Cloud** Platform for smooth operations, Implemented security best practices using **Google Cloud Armor** and **Web Application Firewall** to safeguard against threats and vulnerabilities.
- ○ Implement and manage **Prometheus** and **Grafana** dashboards on **Google Cloud** Platform; migrate from self-managed Prometheus to Google Managed Prometheus.
- ○ Optimize lab operations with open-source software, including **Uptime Kuma** on **Proxmox** for monitoring lab controllers, Office CCTV on Frigate via NVR for AI monitoring, and Snort for network activity monitoring.
- ○ **Developed** an energy forecasting model using **Google Cloud's VertexAI** for the Edge Point Project, optimizing power usage across **3000 sites**, resulting in timely actions by site technicians and **saving over $5,000+** in energy costs.
- ○ **Automated** firmware updates and controller configurations for 3000 remote sites using Ansible scripts, **reducing 100 hours of manual work to seconds** in the EdgePoint Project.
- ○ Install and configure **Guacamole** on **VMware ESXi** and spin up 20+ Windows 11 VMs on Proxmox for internal software team testing. Use **Ansible** to configure VMs with software installations in bulk.
- ○ Utilize **Ansible** to configure Wazuh on all 20+ running PCs simultaneously to identify and assess vulnerabilities across the IT environment.

GZ Systems Pvt Ltd - PureVPN   September 2022 – July 2023
Software Engineer
Tools Used: React | Redux | Styled Components | NodeJS | MySQL | Redis | MVC | Docker | Kubernetes | Git | Jira.
- ○ Created and implemented diverse website features utilizing **ReactJS, HTML, CSS,** and **JavaScript**.

- Developed **REST APIs** for various features using **Node.js** and **MySQL**, following a **microservices architecture**.
- Containerized core services using **Docker and Kubernetes** to ensure availability.
- Integrated **Redis** into the tech stack to enable **caching**, reducing database operations and enhancing performance.
- Implemented PHP **cron jobs**, orchestrated with **Kubernetes** scheduler, to periodically clear **Redis** cache and prefetch updated information, ensuring backend operations remain efficient and up-to-date.
- Overhauled the UI of the PureVPN **Chrome extension** and upgraded the manifest from v2 to v3 using **Chrome APIs**
- Played a key role in introducing and optimizing a family plan, following a successful model similar to Spotify, resulting in a remarkable **42% increase in recurring revenue**.
- Integrated MixPanel to track user actions for new products. Launched interactive onboarding for new products in the Member Area, **increasing adoption by 25%.**
- Developed a custom CMS with **React, Node.js,** and **MySQL** for the Member Area, providing the product team with the ability to manage dynamic content for the website independently.
- Provided onboarding to new hires, doing peer **code reviews** ensuring **best code practices** are being followed.

PROJECTS

Loyalty Reward System – Associated with PureVPN | *React, Redux, CSS, NodeJS, MySQL, Docker, Kubernetes*
- Implemented a Yotpo Loyalty Reward system within the Member Area as a Full-Stack Developer. Resulted in a 20% boost in customer retention by offering discounts for different purchases.
- Integrated Coupon Redeem functionality during different purchases within the Member Area.

Manual Configuration – Associated with PureVPN | *React, Redux, PHP, S3 Bucket, Docker, Kubernetes, CSS*
- Developed a dynamic system with React, allowing seamless connections for users across 70+ PureVPN network locations, including P2P, QR, and OBF-supported servers (first to offer in VPN industry). Utilized by 1000+ daily users.
- Enabled addon purchases via manual connection, driving daily sales over $2000 in the member area.

Voting DApp | *NextJs, EtherJS, Solidity, Hardhat, GitHub Actions, Docker, Kubernetes, FluxCD, Terraform, GCP*
- Developed a decentralized voting application utilizing Ethereum blockchain technology. Used NextJS for Front-end and smart contract interaction.
- Implemented CI/CD pipeline and Kubernetes infrastructure on GCP using Terraform. Additionally, leveraged HardHat to compile and deploy smart contracts on the Polygon blockchain.
  Link: https://github.com/ShehrozWaseem/Cloud-Native-Applications-4034

Project Management | *Reactjs, Firebase, ContextAPI, CSS, HTML.*
- A web application allowing users to sign up and log in and create and manage the uploaded projects.
  Link: projectmanagement.web.app

Portfolio Web App | NextJs, TailwindCSS, HTML
- Developed and launched a portfolio application showcasing my projects, skills, and accomplishments.
  Link: https://shehroz-portfolio.netlify.app/