

Ilyas Muhammad Waqas

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Summary

Senior Software Engineer with over 4 years of experience in building and scaling web applications using React, JavaScript, TypeScript and Node.js. Skilled in leading engineering teams, delivering innovative technical solutions, and implementing automated testing and continuous integration best practices. Proficient in cloud platforms like AWS, with a strong background in Scrum and Agile methodologies. Passionate about AI/ML technologies, currently working on the last phase of thesis research involving deep learning models. Committed to driving excellence through collaborative innovation and improving user experience.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, and Python
- **Tech & Frameworks:** React, Electron.js, Redux, Redux Saga, Node.js, Next.js, Express.js, and NestJS.
- **Databases:** PostgreSQL, MongoDB, SQL & NoSQL
- **Cloud Platforms:** AWS (ECR, ECS, EC2, S3, RDS, Open Search), Heroku
- **Testing & Code Quality:** Jest, Automated Testing, Code Reviews, Pull Requests
- **DevOps & CI/CD:** Terraform, GitHub Actions, Docker
- **Tools & Methodologies:** Jira, Confluence, Scrum, Agile, Slack
- **Others:** Sockets.io, Stripe, PayPal, JWT, Passport, OAuth2.0, MaterialUI, PrimeReact, AntD design, ChakraUI, AI/ML integration

Professional Experience

Beckett Collectibles, USA

Senior Software Engineer

August 2022 – Dec 2023

- Streamlined Beckett's processes for the receipt, grading, and dispatch of sports cards through advanced technology solutions resulting in a 45% increase in operational efficiency.
- Led cross-functional teams in the development of scalable applications using React, Express.js, and Node.js, while mentoring junior engineers and collaborating closely with stakeholders to meet business goals.
- Led remote cross-functional international teams to innovate and deploy applications, ensuring alignment across time zones and compliance with best practices in CI/CD, automated testing, and documentation processes within a Scrum framework using Jira for project management.
- Mentored junior developers, conducting code reviews and ensuring adherence to best practices in CI/CD and agile methodologies.
- Introduced future-proof solutions leveraging modern technologies and scalability principles, facilitating possible internationalization and localization of digital services.

Due Dilly Trilly, USA

Senior Software Engineer

July 2021 – August 2022

- Architected and led full-stack development of web applications using React, NextJS, GatsbyJS, and NodeJS, contributing to core product development and boosting system efficiency by 55% and reducing page load times by 40%, leading to improved user engagement.
- Implemented Employed technologies such as React/ReactJS, NextJS, GatsbyJS, NodeJS, and MongoDB, and integrated AI/ML-based Computer Vision technology for automated sports card grading, enhancing the user experience.
- Led full-stack development projects using React, NextJS, and MongoDB while collaborating closely with clients to gather requirements, provide technical guidance, and deliver tailored solutions. Directly contributed to the company's acquisition by Beckett through technology innovation.

Devsinc INC, PK

Associate Software Engineer

Dec 2020 – June 2021

- Made significant contributions to major in-house digital products, adding novel features and addressing software issues.
- Utilized proficiency in ReactJS, Ruby on Rails, and Postgres to champion the creation and growth of various projects.
- Engaged in agile practices including software development sprint planning and retrospective sessions, consistently offering insights to refine development procedures.

ENTSPOS Developers INC, PK

Associate Software Engineer (intern)

Sep 2020 – Dec 2020

- Orchestrated the development of a comprehensive web application using ElectronJS tailored for tracking product dissemination.
- Collaborated closely with UI/UX teams to deliver user-centric designs using ReactJS, ensuring alignment with the company's brand ethos..

- Executed thorough testing phases to detect and remedy software flaws, augmenting the overall application's robustness and efficacy.

Education

University of Eastern Finland, Finland

Masters in Information Technology (IMPIT)

(Done with all my coursework)

August 2023 – Present

COMSATS University Islamabad, Pakistan

Bachelors in Computer Science (BSCS)

August 2017 – Jan 2021

Additional Information

- Personal Interests: Badminton, bicyclist, participating in tech meetups
- Soft Skills: Soft Skills: Team collaboration, Clear communication, Documentation, C1 English Level Certificate, Willingness to Learn and adapt to emerging market trends.