



Usman Farooq

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Languages: Python, JavaScript, Node.js, React, Typescript, GraphQL, Docker, Go, React Native, MySQL, PostgreSQL, Git, Next.js, REST, HTML/CSS, C/C++
Skill stack: Software Development, Web Development, Data structures and Algorithms, Object-Oriented Programming, Agile, Relational Databases, REST API's, Microservices, Mentorship, Attention to Detail, Communication Skills



Experience

McKinsey & Company | Senior Software Engineer

May 2023 - Present

- Leading the creation of a groundbreaking MVP using Generative AI, which is realizing ~ \$50M in savings by optimizing insurance contract processes.
- Led the development of 6 developers while conducting systematic code reviews, knowledge-sharing sessions, and targeted mentoring to ensure software quality leading to an increase in productivity by 25%.
- Mastering every facet of the design process, from prototyping to full-stack development, ensuring the delivery of robust and scalable software solutions.
- Managing on-call duties to swiftly identify and fix production errors, significantly reducing system downtime and enhancing reliability.
- Acting as a key domain expert, providing indispensable support, and fostering synergies among engineers, product managers, designers, key stakeholders, and executives.

Yelp | Senior Software Engineer

August 2021 – May 2023

- Developed services, APIs, and frontend components using large datasets, leading to a \$10M+ annual revenue increase by enhancing the value measurement of Yelp's customer support.
- Created a suite of tools that provided businesses with a premium support experience, significantly improving customer retention.
- Designed and executed A/B tests and rollouts, driving critical metrics and informing strategic decisions across the business.
- Spearheaded projects in collaboration with Product, Design, Marketing, and Data Science teams to scope and deliver impactful solutions.
- Orchestrated a welcoming initiative that successfully onboarded over 100 new members at Yelp remotely.
- Achieved Senior Engineer status within approximately one year, recognized for outstanding performance and impactful contributions.

TELUS Communications | Frontend Engineer

May 2021 - August 2020

- Collaborated with a national team to develop a web application using Node.js, React.js, and TypeScript, enhancing user engagement and functionality.
- Created a tool that doubled productivity by ensuring a more reliable and robust network infrastructure.
- Engaged in every development phase from design and requirements gathering to implementation and testing, delivering high-quality software solutions.
- Modified and enhanced network builds across Canada, ensuring successful deployment of 5G technologies with 99.999% uptime.

Pason Systems | Software Developer Intern

May 2019 - August 2020

- Collaborated with Drilling Optimization Engineers to develop an automated system, generating approximately 50 daily and end-of-well reports to enhance operational efficiency.
- Developed and maintained MATLAB algorithms that processed high-frequency sensor data (1/10 second intervals), quantifying drilling efficiency and supporting sales engineers in driving product sales.
- Actively supported sales and engineering teams, efficiently handling up to 10 customer queries per day to improve service responsiveness.



Education & Certifications

Schulich School of Engineering | CGPA 3.97
Bachelor of Science | Internship Program

Stanford – Online Coursera | 2022
Introduction to Machine Learning



Leadership & Awards

- Undergraduate Scholarships/Awards: \$20,000
- Andrew Spinney Memorial Scholarship: \$1,300
- Intern of Merit Award during Pason Internship: \$500
- Programming Mentor at Schulich Ignite