# **Mukhtar Hussain**

# Senior Software Engineer

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# **₽** PROFILE

Dedicated Senior Software Engineer with 20+ years of experience in web and windows applications development including architecture design, improving performance and maintenance, delivery and infrastructure setup. Able to self-manage during independent projects, as well as collaborate as part of a productive team. Always ready for challenges improving professional skills.

# SKILLS

#### Frontend

React.js, Next.js, Angular, Vue.js, TypeScript, Tailwind CSS, Tanstack Query, Material UI, Sass, Knockout, Blazor, Vuetify, Storybook, DevExpress WPF, WebForms & MVC Controls

#### **Mobile**

Xamarin Forms, Xamarin Android, React Native, Flutter

#### **Intermediate**

Java, Delphi, PHP, Yii, Webpack, Jest, Cypress, CDKTF, Kubernetes, ElasticSearch, Jira, MySQL

#### **Backend**

.NET (C#, VB, WPF, ASP Classic, ASP.NET 

Webforms & MVC, ASP.NET 

Core), Python (Flask, Django, SQLAlchemy), Node.js (Express, NestJS), Microsoft SQL Server / TSQL, Entity Framework 6 & Core, Crystal Reports, SQL Server Reporting Services, GraphQL, PostgreSQL, MongoDB

# Cloud & DevOps

Azure, AWS, DevOps CI/CD (Azure DevOps, GitHub, TFS 2013 & 2018), Docker, GitHub, Oracle, Redis

### **Familiarity**

Selenium, Jenkins, Terraform, GCP, RabbitMQ, Kafka, GitLab CI, Nginx

#### **№** EDUCATION

#### **Hamdard University**

Bachelor of Science in Software Development

2000 – 2004 | Pakistan

# PROFESSIONAL EXPERIENCE

# **Perpetual Limited** *⊘*

12/2023 – present | Sydney, Australia

Senior Software Engineer

- Responsible for the full-stack development of the payments system using an agile methodology.
- Currently working on decomposing a legacy, monolithic application into a modern microservices architecture.
- Actively contributed to code reviews, ensuring code quality, maintainability, and adherence to best practices.
- Collaborated with staff and principal engineers to provide proof of concept, TDD, and design and develop robust solutions to meet product requirements.
- C#, .NET 8, Blazor, Angular 19, Typescript, Azure, Azure DevOps, Power BI, SSRS

# Quipex Pty Ltd ∂

07/2023 - 11/2023 | Sydney, Australia

Principal Software Engineer

- Responsible for the full-stack development of the Quipex platform in an agile methodology.
- Responsible for production support of the Quipex platform.

- Adhere to and advocate best practices for the design and development of the platform for the product's stability, extensibility, and security.
- C#, NET 7, Azure DevOps, Angular, Metronic, Playwright, GitHub

### **Blueberry Markets** *⊘*

02/2023 - 05/2023 | Sydney, Australia

Tech Lead

- Manage and lead a team of on-site and remote developers to technically deliver on business requirements in a scalable, performant, and secure manner.
- Analyse, lead, and optimize the current development of our core platform, to enhance our market offerings.
- Collaborate with internal and external stakeholders to determine functional and non-functional requirements for new software or applications.
- Define all aspects of development from appropriate technology and workflow to coding standards.
- Solve complex problems, both technical and non-technical with logical/step-by-step solutions.
- TypeScript, React, Redux, PHP, AWS, Yii Framework, MySQL, CDKTF, Jenkins, GitHub Actions

#### Skills VR 🔗

04/2022 - 02/2023 | Auckland, New Zealand

Principal Software Engineer

- Developing across the full stack of .NET technologies Availability, persistence, services, platform, performances, and scalability.
- Participate and collaborate with product owners/cross-functional teams in the organization to understand the business requirements and to deliver solutions that can scale.
- Maintain, understand, and upgrade all existing software.
- Design and implement well-engineered, reliable, and maintainable code.
- Provide support to clients and team members for developed architecture as their requirements evolve.
- Communicate with other team members, internal and external customers as and when required.
- C#, ASP.NET Core, Entity Framework Core, Xamarin Forms, Xamarin Android, Azure DevOps

# Sensand Technologies ∅

08/2021 - 04/2022 | Melbourne, Australia

Senior Software Engineer

- Working as a Lead Frontend Developer on Sensand platform.
- Collaborated with design team to create a custom JavaScript UI framework used across the company's
  internal projects, which improved development efficiency by 30% and ensured consistent branding and UI
  across the application.
- Angular JS, Angular NgRx, Angular RxJS, Angular Router, Angular Material UI, VueJS, Vuetify, Vuex, Storybook

# **Database Solutions Division, NTT** $\varnothing$

05/2014 - 07/2021 | Nelson, New Zealand

Senior Software Engineer

- Actively mentor intermediate and junior developers, and keep track of their workloads via Jira.
- Manage code repositories and review code changes.
- Maintain documentation for all our new & existing applications in Confluence.
- Developed "full" solutions.
- C#, VB.NET, Classic ASP, ASP.NET Webforms & MVC, ASP.NET Core, ES 5 & 6, Typescript, React, Vue, Knockout, Entity Framework 6 & Core, Microsoft SQL Server, SQL Server Reporting Services, Azure DevOps, AWS RDS

#### Upwork &

01/2012 – 05/2014 | Karachi, Pakistan

Technical Consultant Manager

- Provided technical consultation to clients for an Everest ERP application.
- Developed customizations for Everest ERP and Distributed Channel Management applications.
- C#, WPF, ASP.NET Webforms, WCF, Microsoft SQL Server, Crystal Reports, Delphi, Java, Oracle, SVN, GitHub

### **Softfvision Solutions**

02/2010 - 01/2012 | Karachi, Pakistan

Senior Software Engineer

- Worked on various development projects.
- VB6, Classic ASP, C#, VB.NET, ASP.NET Webforms, Microsoft SQL Server, Java, Oracle

#### United Bank Limited ∂

01/2007 - 02/2010 | Karachi, Pakistan

IT Helpdesk Specialist & Supervisor

• Supervised IT Helpdesk department

#### **Softfvision Solutions**

12/2003 - 01/2007 | Karachi, Pakistan

Software Engineer

- Worked on various development projects.
- VB6, Classic ASP, C#, VB.NET, ASP.NET Webforms, Microsoft SQL Server, Java, Oracle

# **→** PROJECTS

## Sideway.ai &

Insurance Saas platform

- An innovative insurance and finance platform designed to assist mortgage enterprises in Australia and New Zealand in managing their clients and mortgage applications
- Worked as a lead full-stack engineer focusing on Saas development with React, Python, Flask, and PostgreSQL and cloud solutions with Azure

#### LifeDirect

New Zealand's Leading Online Insurance Platform

- Led backend development and database management for LifeDirect's insurance platform, utilizing ASP.NET Core, Entity Framework, and Microsoft SQL Server to ensure scalability and performance.
- Integrated real-time API services for quote generation, enhancing user experience by providing instant, accurate insurance comparisons.
- Focused on optimizing platform security and performance, implementing encryption protocols and collaborating with cross-functional teams to meet project deadlines.

#### LedgerSmith

Comprehensive Financial Services Platform

- Led backend development and database management for Ledgersmith's financial services platform, utilizing Python, Node, and Azure to enhance system performance and scalability.
- Integrated APIs for seamless data exchange across financial services and optimized platform security, ensuring robust and efficient operations.
- Contributed to frontend development using React and TypeScript while leading cross-functional teams to meet business objectives and project deadlines.

### **Dualog Portal** *⊘*

Maritime IT Solutions for Fleet Connectivity

- Developed the front end of the Dualog Portal using Angular 12 and Storybook, and contributed to backend functionality.
- Implemented GitHub Actions for Storybook component library generation and CI/CD pipeline for deployment.
- Completed as a side project for a Norwegian client.

#### Fittfind &

Connecting Football Talent with Opportunities

- Developed and deployed FittFind's football agency platform using Next.js and Vercel, ensuring seamless performance and scalability.
- Built and optimized user interfaces, enhancing the platform's ability to connect players, clubs, and brands efficiently.
- Collaborated with cross-functional teams to drive the integration of strategic partnerships and sponsorship opportunities, contributing to revenue growth.

#### Relik &

A global social media platfor

 A global social media platform connecting celebrities and their followers through various social platforms and features.

- Led a team of 5 engineers responsible for both frontend and backend development, ensuring smooth deployment.
- Built a seamless user experience using React, Radix UI, and React Query components.
- Developed high-performance RESTful APIs that handled over 100,000 requests per hour.
- Implemented CI/CD pipelines using GitHub Actions and AWS CodePipeline for streamlined deployments.

# **Device Management Service**

- Developed a real-time monitoring and management service for Pico & Oculus VR headsets using .NET 6, EF Core, and CosmosDB.
- Enabled remote VR headset management and real-time activity monitoring for users.

#### **Secure Portal**

- Migrated an ASP.NET Web Forms application to modern frameworks, enhancing security and efficiency.
- Utilized React v16.8 (including hooks) and Redux for the front end, and .NET Core 3.1 for RESTful back-end services.
- Set up CI/CD pipelines in Azure DevOps for automated build and deployment.

#### **DBA Alert Dashboard**

- Built a comprehensive dashboard using ASP.NET Core (Razor Pages, MVC Views), Vue.js, TypeScript, and SQL Server.
- Created TFS 2018 CI/CD pipelines for automated builds and deployments.
- Streamlined DBA workflows by consolidating related ConnectWise tickets, improving efficiency.

#### **Word/PDF Documents Generator**

- Developed a document generation system using ASP.NET MVC, Web API, and SQL Server.
- Set up CI/CD pipelines in TFS 2013 for continuous integration and deployment.
- Enhanced staff productivity by enabling on-demand or scheduled generation of Word & PDF documents.

# **Everest-Avalara Integration / Everest-Foxfire Integration**

- Implemented integrations using C#, WPF, and SQL Server to connect Everest with Avalara and Foxfire.
- Created .msi installers for easy deployment.
- Boosted company revenue by offering these integrations as premium features in client subscriptions.

# ዕ CERTIFICATES

# Microsoft Certified: Azure Fundamentals $\mathscr D$

Issued by Microsoft

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# **Employee of the Month**

Skills VR

Recognized for voluntarily providing DevOps support and managing issues after the departure of the DevOps lead.

#### **Annual Bonus**

Database Solutions Division, NTT

Received yearly bonuses for consistent hard work and contributions.

## **Key Contributor**

Upwork

Successfully transitioned from third-party developers to self-managed development, significantly reducing costs and maintaining a 95%+ customer satisfaction rate, which led to team downsizing but ensured job retention