

# Muzzammil Hussain

Lahore - Pakistan | muzzammilz@gmail.com | +92-33-3742-9030 | github.com/muzzammilh | linkedin.com/in/muzzammilz

## Career Summary

Results-driven professional with 13 years of industry experience and demonstrated leadership skills, excelling in designing, implementing, and optimizing complex cloud applications and multi-tier architecture. Adept at Python and JavaScript, with a strong background in object modeling technologies and application lifecycle management. Proven track record of delivering innovative solutions, driving significant improvements to applications and systems, and effectively leading cross-functional teams to achieve project objectives.

## Skills

- **Programming Languages:** Proficient in Python, JavaScript and PHP with experience in Django, Flask, FastAPI, Node, React, Vue, WordPress and other frameworks
- **Databases:** Skilled in working with Postgres, MySQL, MongoDB, Oracle, and MSSQL, ensuring optimized data storage and retrieval
- **Solution Architecture:** Proven ability to create robust and scalable architectural solutions to meet business and technical requirements
- **Team Leadership:** Demonstrated experience in leading and mentoring cross-functional engineering teams, driving successful project outcomes
- **Mentorship:** Proven success in guiding, coaching, and developing the skills of team members, fostering a supportive and collaborative environment for professional growth and advancement
- **Process Improvement:** Effective in identifying areas for improvement and implementing changes to enhance system performance and streamline operations
- **Cloud Services:** Proficient in utilizing Amazon Web Services and other PaaS solutions for application deployment and management
- **Agile Methodologies:** Well-versed in Agile, Scrum, and Kanban principles, ensuring efficient project management and collaboration
- **Security and Compliance:** Knowledgeable in ensuring platform security and integrity, with experience in adhering to PCIDSS, SOC-1, SOC-2, GDPR, and other industry standards
- **Business Relations:** Strong ability to establish and maintain productive relationships with stakeholders and business partners

## Work Experience

### Engineering Lead at iFinancePay ( February 2020 - Present)

- Architected and led the development of the "Buy Now, Pay Later" e-commerce platform, ensuring secure transactions, compliance with industry standards, and maintained effective communication with cross-functional teams.
- Successfully managed a team of 13+ engineers to deliver the project on time and within budget which contributed to [Iceberg Finance's acquisition of iFinance Canada](#).
- Technology: Python, Django, Postgres, AWS, Cryptography, PHP, Auto Scaling Infrastructure.

### Engineering Lead at Wanderu (November 2016 - January 2020)

- Architected a sophisticated real-time search and reservation system that guarantees dependable operations with backup plans for unforeseen situations.
- Developed integration system for 300+ bus and train companies' APIs into Wanderu's core network, improving search results and data pipelines.
- Successfully [expanded Wanderu's presence from North America to Europe](#), leading a team of 20+ engineers.
- Technology: Python, MongoDB, PostgresQL, Node.js, Reactjs, Scrapy, Twisted, Trec.

### Engineering Lead at Travelliance (January 2016 - November 2016)

- Architected and developed a flight disruption system for 200+ locations, reducing disruption handling time and improving overall efficiency.
- Led a team of 10+ engineers to deliver the project on schedule.
- Technology: MySQL, Angularjs, PHP, .NET.

### **Senior Software Engineer at InSparq (July 2012 - December 2015)**

- Architected various modules, including social widget creations, analytics, and a pinboard-style shopping experience.
- Took on leadership responsibilities in the absence of a designated leader, successfully managing a team of 8+ engineers and contruned in [acquisition by Adiant](#).
- Technology: MySQL, Java, Spring, PHP, CodeIgniter, Couch DB, Memcache, Redis, Node.js, jQuery, BackboneJS, AngularJS

### **Software Engineer at Kayak (March 2012 - July 2013)**

- Created the [first-ever auto-fill assistant for Kayak's iOS app](#), significantly improving the user experience during the booking process.
- Technology: Javascript, Regex.

### **Software Engineer at LUMS (November 2011 - February 2012)**

- Developed the new backend for students and staff management. Significantly improved the user experience and response time for the inquiries.
- Technology: PHP, Drupal, MySQL, jQuery, Apache.

### **Software Engineer at Kawish (August 2011 - October 2011)**

- Developed the new backend and frontend for the trust to handle donations, manage events and news.
- Technology: PHP, MySQL, jQuery, Apache.

### **Software Engineer at CaliberVantage (December 2010 - August 2011)**

- Improved customer experience for using the HRM system by developing social networking capabilities within the platform.
- Technology: .NET, C#, MSSQL, PHP, Elgg, MySQL, Java, Oracle, jQuery.

### **Software Engineer at MyValidus (June 2010 - December 2010)**

- As a member of engineering team, helped with the milestones and on-time delivery of the different modules like admin panel customization, scholarships, messaging, portfolio, workouts, search.
- Technology: Python, Django, MySQL, jQuery, Apache.

### **Software Engineer at Manezil (April 2010 - June 2010)**

- Served as the core contributor of the project. Helped achieving milestones for the popular property search engine with admin panel creation, property search algorithms.
- Technology: PHP, CakePHP, MySQL, jQuery, Apache.

## **Education**

### **2009 – Masters in Computer Science.**

The Islamia University of Bahawalpur. Pakistan.

### **2007 – Bachelors in Advanced Computer Studies.**

The Islamia University of Bahawalpur. Pakistan.

### **2004 – Intermediate in Computer Science**

Board of intermediate and secondary education Bahawalpur. Pakistan.