Qaisar Khan

Technical Lead

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# ACHIEVEMENTS

### AWS Migration & Cloud Optimization

Spearheaded the migration of legacy systems to AWS, leveraging services like Lambda, S3, and DynamoDB. Resulted in a 40% reduction in operational costs and a significant improvement in system scalability and availability.

### Data Quality & Automation

Developed automated data quality checks and anomaly detection systems, improving data accuracy by 30% and reducing manual auditing tasks by 20 hours per week.

### Generative AI Solutions

Led the design and development of a Generative AI solution using AWS Bedrock to automate data extraction and reporting for ESG data. Reduced manual effort by 80% and increased reporting accuracy to 95%.

### Regulatory Compliance

Developed a robust ETL framework for generating regulatory reports, cutting report generation time by 35% and enhancing the accuracy of financial compliance reporting.

### Performance Optimization

Implemented performance tuning measures that enhanced application speed by 50%, improving user experience and reducing server load during peak usage times.

# PEOPLE/SOFT SKILLS

Mentorship | providing guidance and support to junior team embers for their professional development.

Collaboration | working effectively with cross-functional teams to achieve common objectives.

Time-Management | prioritizing tasks effectively to meet deadlines.

Adaptability | adjusting to changing project requirements and environments.

Problem-Solving | analyzing complex issues and developing innovative solutions.

# SUMMARY

Experienced Solutions Developer & Architect with 15+ years in financial systems, Python development, cloud architecture, and data solutions. A proven track record of delivering scalable, high-performance applications that drive business transformation, compliance, and operational efficiency. Specializes in object- oriented programming, test-driven development, and designing maintainable, extensible application frameworks that streamline workflows and reduce manual effort.

Deep expertise in data analysis, regulatory compliance, financial ledger systems, and premium risk management solutions, with hands-on experience translating complex business requirements into clear, actionable development roadmaps. Proficient in Python frameworks (Django, Flask, FASTAPI), SQL programming, and front-end technologies (Angular, React, Next.js).

A seasoned leader and mentor, known for fostering strong, technically adept teams and ensuring alignment between development efforts and business objectives. Skilled at communicating technical complexities in a clear, pragmatic manner, enabling informed decision-making at all levels of the organization. Currently expanding expertise in AWS cloud migration, actively developing technical guides for Python and Java applications in cloud environments.

# EXPERIENCE

Senior Software Engineer [Python] 2021 - Present

ABN AMRO Clearing Sydney, NSW

Optimized ETL processes and data pipelines to enhance data accuracy, efficiency, and scalability within financial reporting systems. Led the modernization and cloud migration of legacy Python applications to AWS, streamlining infrastructure, reducing operational costs, and improving system performance.

* Led the development of AWS-based solutions for automated ESG reporting, saving 100+ hours per month in manual data extraction.
* Enhanced data quality by 30% by implementing automated data quality checks and anomaly detection systems.
* Migrated Python applications to AWS, resulting in a 35% reduction in infrastructure costs.
* Spearheaded the design and development of automated data reports, cutting report generation time by 40%.
* Analysis & data manipulation using python libraries (NumPy, Pandas, PySpark, Seaborn), automate data engineering tasks, implement data-driven solutions.

Solutions Architect | Senior Developer 2017 - 2021

FINSURE Sydney, NSW

Developed and deployed a Commission Transactions Management System, streamlining commission calculations and improving scalability. Led the shift to modern technologies, enhancing system efficiency and performance.

* Streamlined commission processing, reducing processing time by 60% through the design and deployment of a Commission Transactions Management System.
* Improved scalability and performance by transitioning to Angular, Python, and MariaDB.
* Developed a loan aggregation system that reduced loan data processing time by 50%, accelerating loan servicing estimates. Directed cross-functional teams, ensuring seamless integration of new technologies with existing platforms.
* Directed cross-functional teams, ensuring seamless integration of new technologies with existing platforms.

Web/Application Developer 2014 - 2017

FINSURE Sydney, NSW

Developed and refined loan aggregation and commission processing systems, boosting efficiency and automating key workflows. Created advanced algorithms to enhance commission accuracy.

* Automated loan aggregation processes, improving broker efficiency by 30%.
* Developed matching algorithms for commission processing, improving commission accuracy and reducing errors by 25%.
* Implemented system enhancements that enabled faster data retrieval and processing, resulting in improved client servicing.

# ADDITIONAL EXPERTISE

### Regulatory Reporting

Expertise in trading systems, Forex exchange, and clearing house compliance.

### Loan & Commission Systems

Developed loan aggregation, commission processing, and invoicing solutions.

### Serviceability Calculators

Built loan affordability tools for multiple lenders.

### Financial & Insurance Systems

Experience in ledger systems, underwriting, and general insurance processes.EXPERIENCE

Technical Analyst | Developer 2011 - 2014

Beazley Group Sydney, NSW

Built and managed claims, payment, and regulatory reporting systems, automating manual processes to cut cycle times and enhance efficiency.

* Designed and implemented an insurance claims management system that reduced claim processing time by 40%.
* Developed a payment management system, automating invoicing and reducing payment cycle time by 50%.
* Enhanced regulatory reporting systems to ensure accuracy and compliance with industry standards.

# EDUCATION & CERTIFICATES

## Certification in Python Programming 2015

O’Reilly School of Technology Online

## Diploma of Engineering Practice 2004

University of Technology Sydney Sydney, NSW

### Income Protection

Developed solutions for Life, Health G

## Bachelor of Engineering in Computer Systems Engineering (Honors)

2004

Accident Insurance claims.

### Risk Analysis & Reporting

Specialized in net loss triangulation and Bordereaux analysis.

### Policy Risk & Invoicing

Designed premium policy risk management and invoicing systems

### Logistics & Workflow

Created automation and workflow management solutions.

### Data Conversion/Reconciliation

### Developed data conversion systems, automate the manual data reconciliation process.

### Web Scraping/Pattern Matching

Developed web spiders, and scrapers, parsing HTML/XML files, implementing pattern matching algorithms to extract information.

### Data Engineering

Large-scale data processing, preprocessing, performing tasks like feature engineering, data cleaning and transformation in distributed manner.

# PORTFOLIO

### Name of Article

Explore My Work: View my extensive portfolio of projects and expertise here:

[https://qjkconsultants.github.io/portfo](https://qjkconsultants.github.io/portfolio-4-col.html) [lio-4-col.html](https://qjkconsultants.github.io/portfolio-4-col.html)

University of Technology Sydney Sydney, NSW

# FULL SKILL SET

Python | 15+ years PERL | 18 Years

SQL | 20 Years MySQL | 17 Years

PostgreSQL | 17 Years AWS | 3 Years

Linux | 15 Years Java Script | +10 Years

Java | 8 Years Git | 5 Years

CI/CD | 5 Years ELT Dev | 5 Years

REST API Dev | +5 Years Data Engineering | +5 Years Agile | +5 Years Atlassian JIRA | 5 Years

Docker | 3 Years Mobile Dev | 3 Years

TDD | 3 Years Kubernetes | 2 Years