

# KHALED BIN A QUADIR

- **Phone:** +61 421 930 895
- **Email:** [perception30@gmail.com](mailto:perception30@gmail.com)
- **LinkedIn:** [linkedin.com/in/khaledquadir](https://www.linkedin.com/in/khaledquadir)

## PROFESSIONAL SUMMARY

Seasoned Full-Stack Engineering Leader with 15+ years of expertise driving enterprise-scale digital transformations. Proven track record of:

- Building resilient distributed systems processing billions of transactions with 99.99% uptime
- Spearheading cloud-native architectures across AWS, Azure, and GCP platforms
- Delivering mission-critical solutions for Fortune 500 companies in fintech, telecom, and transport sectors
- Leading high-performing engineering teams of 4-8 members, consistently improving delivery velocity
- Reducing operational costs significantly through cloud optimization and DevOps automation
- Implementing zero-trust security architectures achieving SOC2 and ISO27001 compliance

Technical authority in cloud-native architectures, distributed systems, and modern development stacks (TypeScript / Node / Go / Python / Java / AWS / Azure / React / Docker / Kubernetes / Kafka). Known for translating complex business requirements into elegant, scalable solutions while fostering engineering excellence and mentoring future leaders.

## PROFESSIONAL SKILLS

### Cloud & Infrastructure

- **Cloud Platforms:** AWS (ECS, EKS, Lambda, S3, CloudFront, Route53), Azure (AKS, Functions, App Service), GCP
- **Infrastructure as Code:** Terraform, CloudFormation, Pulumi, AWS CDK

- **Containerization:** Docker, Podman, Docker Compose, BuildKit
- **Orchestration:** Kubernetes, EKS, AKS, GKE, OpenShift, Rancher
- **Service Mesh:** Istio, Consul, AWS App Mesh, Azure Service Fabric
- **Serverless:** AWS Lambda, Azure Functions, Cloud Run, Knative, OpenFaaS

## Programming & Development

- **Languages:** TypeScript, JavaScript, Python, Golang, Java, Rust, C++
- **Backend:** Node.js, Deno, Express, NestJS, Django, Spring Boot, Gin, Echo
- **Frontend:** React, Next.js, Vue.js, Angular, Svelte, WebAssembly
- **Mobile & Desktop:** React Native, Flutter, Electron, Progressive Web Apps
- **API Design:** REST, GraphQL, gRPC, Protocol Buffers, OpenAPI, AsyncAPI

## Data & Storage

- **Databases:**
  - **Relational:** PostgreSQL, MySQL, Aurora, CockroachDB
  - **NoSQL:** MongoDB, DynamoDB, Cassandra, Couchbase
  - **Graph:** Neo4j, Amazon Neptune
  - **Time-series:** InfluxDB, Prometheus
- **Caching & Memory:** Redis, Memcached, Elasticsearch
- **Message Queues:** Kafka, RabbitMQ, AWS SQS/SNS, Azure Service Bus
- **Data Processing:** Apache Spark, Flink, Hadoop, AWS EMR

## DevOps & SRE

- **CI/CD:** GitHub Actions, Azure DevOps, Jenkins, Bitbucket Pipelines, Travis CI
- **Monitoring & Observability:**
  - **Metrics:** Prometheus, Grafana, Datadog, New Relic
  - **Logging:** ELK Stack, Loki, Splunk, CloudWatch
  - **Tracing:** Jaeger, OpenTelemetry, AWS X-Ray
  - **APM:** AppDynamics, Dynatrace
- **Testing:** Jest, Cypress, Pytest, Postman, Newman, Mocha, Chai, JUnit

## Security & Compliance

- **Identity:** OAuth2, OIDC, SAML, Keycloak, Auth0, AWS Cognito
- **Security Tools:** Vault, CertManager, AWS KMS, Azure Key Vault

- **Compliance:** SOC2, ISO27001, GDPR, PCI-DSS
- **Security Practices:** DevSecOps, SAST/DAST, Container Security

## Modern Architecture Patterns

- **Design:** Microservices, Event-Driven, CQRS, Event Sourcing
- **Reliability:** Circuit Breaking, Rate Limiting, Bulkheading
- **Scalability:** Auto-scaling, Load Balancing, Caching Strategies
- **Development:** TDD, BDD, DDD, Clean Architecture, Hexagonal Architecture

## Emerging Technologies

- **AI/ML:** TensorFlow, PyTorch, Scikit-learn, Hugging Face
- **Blockchain:** Ethereum, Solidity, Web3.js, Smart Contracts
- **Edge Computing:** CloudFlare Workers, AWS Lambda@Edge
- **FinOps:** AWS Cost Explorer, Azure Cost Management, Kubecost,

## PROFESSIONAL EXPERIENCE

FS Soft | Sydney, AU | Apr 2023 – Present [Contract]

### Lead Software Engineer (Full Stack, Cloud, DevOps)

- Leading development of cloud-native fintech solutions processing \$100M+ monthly transactions:
  - Architecting microservices using TypeScript/Node.js and Go with 99.99% uptime
  - Implementing event-driven architecture using Kafka and AWS EventBridge
  - Achieving sub-100ms latency for 95% of API requests through optimization
  - Managing multi-region deployment on AWS EKS with GitOps workflow
- Established modern DevOps practices:
  - Reduced deployment time by 70% using GitHub Actions and ArgoCD
  - Implemented Infrastructure as Code using Terraform and AWS CDK
  - Achieved 99.9% system reliability through automated testing and monitoring
  - Optimized cloud costs by 40% through resource utilization analysis
- Enhanced system observability:
  - Deployed comprehensive monitoring using Prometheus and Grafana

- Implemented distributed tracing with OpenTelemetry and Jaeger
- Reduced MTTR by 55% through automated alerting and runbooks
- Leading technical initiatives:
  - Managing team of 8 engineers across different time zones
  - Establishing coding standards and architectural guidelines
  - Mentoring junior developers and conducting technical reviews
  - Improving team velocity by 35% through process optimization

Optus | Sydney, AU | Oct 2023 - April 2023 [Contract]

**Lead / Senior Consultant (Full Stack, Cloud Engineering)**

- Architected and implemented Digital Habits Tracking platform serving 5M+ users:
  - Built event-driven microservices architecture using TypeScript and Node.js
  - Implemented real-time analytics using Apache Kafka and Elasticsearch
  - Achieved 99.95% uptime through multi-region deployment on AWS EKS
  - Reduced operational costs by 35% through resource optimization
  - Processing 50M+ daily events with sub-100ms latency
- Engineered complete redesign of Optus Pause service:
  - Implemented micro-frontend architecture using React and Module Federation
  - Built scalable backend services using Go and TypeScript
  - Achieved 40% improvement in system scalability
  - Reduced deployment time from hours to minutes using GitOps
  - Improved API response times by 60% through caching and optimization
- Implemented comprehensive monitoring and reliability improvements:
  - Deployed distributed tracing using OpenTelemetry and Jaeger
  - Set up monitoring infrastructure using Prometheus and Grafana
  - Reduced MTTR by 50% through automated alerting and runbooks
  - Achieved 99.9% system availability using circuit breakers and retry mechanisms
- Led and improved team development practices:
  - Managed team of 6 engineers across multiple squads
  - Established trunk-based development workflow
  - Implemented automated testing achieving 90% code coverage
  - Reduced PR review time by 40% through automated checks
  - Achieved 35% faster feature deployment through CI/CD optimization

Transport for NSW | Sydney, AU | Apr 2023 - Oct 2023  
[Contract]

**Full-Stack Software Engineer (Frontend, Backend) / Senior Consultant (Full Stack, Cloud Engineering)**

- Architected and delivered a mission-critical real-time transit tracking system handling 5M+ daily commuters across NSW:
  - Achieved 99.99% system uptime using Azure AKS and multi-region failover
  - Reduced API response times by 65% through GraphQL implementation and caching
  - Processed 100K+ real-time vehicle location updates per minute using Apache Kafka
- Led complete redesign of customer-facing journey planner application:
  - Implemented micro-frontend architecture using Next.js and Module Federation
  - Achieved 98% Lighthouse performance score through SSR and dynamic optimization
  - Reduced page load times by 70% using edge caching and CDN optimization
- Engineered highly scalable backend microservices using TypeScript and Node.js:
  - Built event-driven architecture processing 2M+ daily transactions
  - Implemented circuit breakers and retry mechanisms for resilient operations
  - Achieved sub-100ms latency for 95th percentile of requests
- Established modern DevOps practices and infrastructure:
  - Automated deployment pipelines using Azure DevOps and GitOps workflow
  - Reduced deployment time from hours to minutes with zero-downtime updates
  - Implemented Infrastructure as Code using Terraform, achieving 100% environment consistency
- Enhanced system observability and monitoring:
  - Deployed ELK stack for centralized logging and analysis
  - Implemented distributed tracing using OpenTelemetry and Jaeger
  - Reduced MTTR by 60% through automated alerting and dashboards
- Improved security posture and compliance:
  - Implemented zero-trust security model using Azure AD and OAuth2
  - Achieved PCI-DSS compliance for payment processing systems
  - Conducted security audits and vulnerability assessments

- Mentored team of 6 developers:
  - Introduced domain-driven design principles
  - Established code review guidelines and best practices
  - Increased team velocity by 40% through knowledge sharing and pair programming

Atlassian | Sydney, AU | Sep 2022 - Apr 2023 [Contract]

**Senior Consultant (Full Stack, Cloud Engineering)**

- Architected and implemented enterprise authentication system for Atlassian Cloud platform:
  - Processed 5M+ daily authentication requests with 99.99% uptime
  - Reduced authentication latency by 70% using Redis caching and connection pooling
  - Implemented OIDC/OAuth2 flows with multi-factor authentication support
  - Achieved SOC2 Type II and ISO 27001 compliance requirements
- Enhanced Atlassian Forge platform development experience:
  - Built micro-frontend architecture using Module Federation and React
  - Created reusable component library reducing development time by 45%
  - Implemented real-time collaboration features using WebSocket
  - Achieved 98% test coverage with Jest and React Testing Library
- Designed event-driven microservices architecture:
  - Built high-performance services using Go and Node.js (TypeScript)
  - Processed 10K+ events/second using Apache Kafka and AWS EventBridge
  - Implemented Circuit Breaker and Bulkhead patterns for resilience
  - Reduced service-to-service latency by 60% through optimized protocols
- Led cloud infrastructure modernization:
  - Migrated 20+ services to AWS EKS with zero downtime
  - Implemented GitOps using Argo CD and Helm
  - Reduced infrastructure costs by 45% through resource optimization
  - Achieved 99.99% availability using multi-region deployment
- Enhanced security and monitoring:
  - Implemented zero-trust security model with AWS IAM and KMS
  - Set up distributed tracing using OpenTelemetry and Jaeger
  - Created comprehensive Grafana dashboards for real-time monitoring
  - Reduced MTTR by 65% through automated incident response
- Improved developer productivity:
  - Created comprehensive technical documentation and runbooks

- Reduced PR review time by 50% through automated checks
- Led architecture design reviews and technical discussions

ThoughtWorks | Sydney, AU | Apr 2022 - Sep 2022 [Contract]

**Senior Consultant (Full Stack, Cloud Engineering)**

- Architected and implemented a cloud-native content moderation system for LinkTree, supporting 10M+ daily content submissions with 99.9% accuracy
- Developed ML-powered content classification microservices using Python and TensorFlow, reducing manual moderation needs by 80%
- Built scalable backend services using Node.js (TypeScript) and AWS Lambda, handling 5000+ requests per second with sub-100ms latency
- Implemented real-time content analysis pipeline using Kafka and AWS Kinesis, processing 1TB+ daily data
- Designed and developed micro-frontend architecture using React/Redux, improving frontend performance by 40%
- Led a team of 6 developers, introducing agile practices that increased team velocity by 35%
- Established CI/CD pipelines using GitHub Actions and AWS CodePipeline, reducing deployment time by 60%
- Implemented comprehensive monitoring and alerting using Datadog and PagerDuty, achieving 99.99% system uptime

Flight Centre Travel Group | Sydney, AU | May 2021 - Apr 2022  
[Contract]

**Senior Consultant (Full-Stack, Cloud Infrastructure)**

- Architected and implemented an enterprise-wide Identity Management solution supporting 500K+ users across 23 countries, resulting in 65% reduction in authentication-related incidents
- Developed OAuth2/OIDC-compliant authentication system with social login integrations (Google, Facebook, Apple), improving customer conversion rate by 35%
- Built scalable microservices architecture using TypeScript (Node.js) and Golang, handling 3000+ requests per second with 99.99% uptime
- Designed and implemented event-driven payment processing system using Kafka and AWS SQS, processing \$100M+ in monthly transactions

- Created developer tools and SDKs used by 100+ developers, reducing integration time by 70% and improving code consistency
- Orchestrated cloud infrastructure using Kubernetes on AWS EKS, managing 200+ containers across multiple regions
- Implemented Infrastructure as Code using Terraform and CloudFormation, reducing deployment time from days to hours
- Established monitoring and observability using Datadog and ELK stack, achieving 99.9% system reliability
- Led a team of 8 engineers, introducing modern DevOps practices that increased deployment frequency by 300%

Lendi (lendi.com.au) | Sydney, AU | June 2019 – May 2021  
[Full-Time]

#### **Senior Cloud Engineer (Backend, Cloud Team)**

- Led the transformation of a monolithic lending platform into a scalable microservices architecture, resulting in 300% improved throughput and 50% reduced latency
- Designed and implemented an event-driven loan processing system using TypeScript (Node.js) and Kafka, handling 10,000+ daily loan applications with 99.99% reliability
- Architected and deployed cloud-native backend services on AWS EKS using Kubernetes, achieving 99.9% uptime and 40% cost reduction
- Built a real-time loan tracking system using WebSocket and Redis, reducing customer support inquiries by 35%
- Implemented comprehensive monitoring and alerting using Datadog and ELK stack, improving incident response time by 60%
- Established GitOps practices with ArgoCD and Helm charts, reducing deployment time from hours to minutes
- Led a team of 6 engineers, introducing modern DevOps practices and microservices patterns
- Developed secure API gateway solutions using Kong, handling authentication, rate limiting, and request transformation
- Created automated testing frameworks achieving 90% code coverage, reducing production incidents by 70%
- Mentored junior developers and conducted technical design reviews, improving team velocity by 40%



Silicon Labs (Silabs.com) | Sydney, AU | April 2018 - June 2019 [Full-Time]

**Senior Software Engineer (Full-Stack, Cloud)**

- Architected and implemented cloud-native IoT platform handling 1M+ connected devices, achieving 99.99% uptime and 60% reduction in device registration time
- Developed high-performance microservices using Golang and Node.js, processing 3000+ requests per second with sub-100ms latency
- Built real-time device monitoring system using AWS IoT Core, Lambda, and DynamoDB, reducing incident response time by 45%
- Designed and implemented secure device provisioning service using AWS Certificate Manager and KMS, ensuring end-to-end encryption
- Created automated deployment pipelines using AWS CloudFormation and GitHub Actions, reducing deployment time by 70%
- Implemented comprehensive observability using AWS CloudWatch, X-Ray, and Grafana, achieving 99.9% service reliability
- Led a team of 4 developers in modernizing legacy firmware update services, resulting in 80% faster update delivery
- Developed SDK and documentation for IoT device integration, reducing customer integration time from weeks to days
- Optimized cloud infrastructure costs through auto-scaling and resource optimization, achieving 40% cost reduction
- Collaborated with hardware teams to implement efficient protocols for low-power IoT devices, extending battery life by 30%

SK Systems | Remote | Dec 2015 - March 2018 [Full-Time]

**Lead Consultant (Backend & Cloud)**

- Architected and implemented a high-throughput payment processing system handling \$50M+ monthly transactions using Node.js and Python microservices
- Built real-time data processing pipeline with Apache Kafka and AWS Kinesis, achieving 99.99% reliability and sub-100ms latency
- Led migration of monolithic applications to microservices architecture, resulting in 60% improved scalability and 40% reduced operational costs

- Designed and implemented multi-region AWS infrastructure using CloudFormation and Terraform, achieving 99.9% system availability
- Established CI/CD pipelines with Jenkins and Docker, reducing deployment time from days to hours
- Developed automated testing framework achieving 85% code coverage across services
- Mentored team of 5 developers and conducted architecture reviews, improving team productivity by 35%
- Implemented comprehensive monitoring using ELK stack and Prometheus, reducing MTTR by 50%
- Created developer documentation and API specifications that reduced onboarding time from weeks to days
- Led security improvements including OAuth2 implementation and encryption at rest/transit, achieving SOC2 compliance

SK Systems | Jan 2012 - Dec 2015 [Full-Time]

#### **Full Stack Senior Software Engineering Consultant**

- Architected and developed a high-performance e-commerce platform serving 100K+ daily users, reducing page load times by 60% through implementation of Redis caching and CDN optimization
- Built scalable microservices using Node.js and Python, processing 1000+ transactions per second with 99.9% uptime
- Designed and implemented real-time inventory management system using WebSocket and MongoDB, reducing data synchronization delays by 80%
- Led migration from monolithic PHP application to microservices architecture, resulting in 40% improved system performance and 50% reduced deployment time
- Established automated testing practices achieving 80% code coverage, reducing production bugs by 65%
- Implemented CI/CD pipelines using Jenkins and Docker, streamlining deployment processes and reducing release cycles from weeks to days
- Mentored team of 4 junior developers, conducting code reviews and architecture discussions that improved team productivity by 30%
- Developed RESTful APIs consumed by mobile and web applications, handling 5M+ daily requests with average response time under 100ms
- Optimized MySQL database queries and implemented sharding strategies, resulting in 70% faster query execution

- Integrated payment gateways and third-party services, processing \$10M+ in annual transactions with 99.99% success rate

Freelance Software Developer (Elance, ODesk) | Jan 2007 - Dec 2011 [Contract]

#### **Full Stack Developer & Technical Consultant**

- Delivered 100+ successful projects for clients across USA, Europe, and Australia, maintaining a 98% client satisfaction rate
- Architected and developed a real estate management system using PHP/Laravel, serving 50K+ monthly users with property listing, search, and booking capabilities
- Built custom e-commerce platforms with payment gateway integrations (PayPal, Stripe) using PHP and JavaScript, processing \$1M+ in transactions
- Developed automated inventory management systems for retail clients using Python and MySQL, improving stock accuracy by 40%
- Created custom WordPress and Drupal solutions including:
  - Custom theme development
  - Plugin/module development
  - E-commerce integrations
  - Migration services
- Implemented CMS solutions for 30+ small to medium businesses, reducing content management time by 60%
- Built RESTful APIs using PHP (Zend Framework) and Java Spring Boot, enabling mobile app integrations
- Maintained long-term relationships with 15+ recurring clients through excellent communication and reliable delivery
- Technologies used: PHP (Laravel, Zend), Java, Python, JavaScript, jQuery, MySQL, PostgreSQL, HTML5, CSS3, WordPress, Drupal
- Achieved "Top Rated" status on both platforms with 90%+ job success score

#### **EDUCATION**

Master of Information Technology, Major in Software Design and Development

**Charles Sturt University | 2016 - 2018 (Australia)**

- GPA: High Distinction (HD), Dean's List
- **Key Coursework:**
  - Advanced Software Architecture & Design Patterns
  - Distributed Systems & Cloud Computing
  - Enterprise Application Development
  - Mobile & Web Technologies
  - Advanced Database Systems & Data Mining
  - Information Security & Cryptography
  - Machine Learning & AI Applications
  - DevOps & Continuous Integration
- **Notable Projects:**
  - Led team of 4 in developing a cloud-native microservices platform using Spring Boot & AWS
  - Implemented a real-time analytics system using Kafka, Elasticsearch, and React
  - Developed an AI-powered image recognition system using TensorFlow and Python
- **Academic Achievements:**
  - Faculty Merit Award for Outstanding Academic Performance
  - Selected for Industry Partnership Program with a leading tech company

Bachelor of URP

**Bangladesh University of Engineering and Technology | 2008 - 2012**

## CERTIFICATIONS

- **AWS Certified Solutions Architect - SAA-C01**
  - Amazon Web Services (AWS) - April 2019

## CITIZENSHIP / WORK PERMIT

- Australian Citizen
- NV1 Security Clearance (AGSVA)