MD. ABID HASAN

📞 +88 016 7453 0458 ✉ bd.abid157@gmail.com in linkedin.com/in/-abidhasan github.com/gitAbid 🌐 abidhasan.tech
📍 Dhaka, Bangladesh (Remote-First Professional)

Professional Summary

Backend Developer & Architect with 6+ years of experience architecting scalable systems using Java, Spring Boot, and modern AI development tools. Expert in leveraging AI-powered development environments (Cursor, GitHub Copilot, Windsurf, Claude Dev, v0, Bolt) to accelerate full-stack delivery while maintaining code quality. Proven track record of leading remote teams, and delivering enterprise solutions. Passionate about combining traditional backend excellence with cutting-edge AI tooling to solve complex business challenges. Skilled in AI-assisted code generation, automated testing, and intelligent development workflows that enhance productivity and code quality.

Experience

Tech Lead (Hybrid) — **April 2024 – Present**
hSenid Mobile Solutions PVT Limited — *Dhaka, Bangladesh*

- Led cross-functional remote teams of 10+ engineers using Agile methodologies enhanced with AI-powered development tools (Cursor IDE, GitHub Copilot, Windsurf, Claude Dev, v0, Bolt), reducing time-to-market by 20% through intelligent code generation and automated testing
- Architected microservices solutions using Spring Boot and Docker, leveraging AI-assisted development workflows for rapid prototyping and CI/CD pipelines with AI-enhanced code analysis, improving development velocity by 35% and achieving continuous deployment for 95% of releases
- Mentored team members on AI-assisted development practices, establishing coding standards that combine traditional software engineering with modern AI tools, resulting in 15% improvement in code quality

Associate Tech Lead (Remote) — **October 2022 – March 2024**
hSenid Mobile Solutions PVT Limited — *Colombo, Sri Lanka*

- Spearheaded adoption of modern development tools and practices across engineering teams, increasing team productivity by 25% and delivering full-stack solutions 30% faster
- Designed and implemented GraphQL APIs with optimized schema design and efficient query generation, improving query performance and developer experience for multiple client applications
- Established remote-first collaboration processes using Agile frameworks, GitLab workflows, and enhanced code review practices, successfully managing distributed teams across multiple time zones

Senior Software Engineer (Remote) — **September 2021 – September 2022**
hSenid Mobile Solutions PVT Limited — *Colombo, Sri Lanka*

- Engineered high-performance Java applications for telecom clients using Spring Boot and Hibernate, achieving 400% improvement in query performance for 5G authentication servers
- Built robust RESTful APIs with comprehensive monitoring and logging, supporting 10K+ concurrent users across MySQL, MongoDB, and MariaDB environments, and collaborated remotely with international teams using modern development tools and practices
- Implemented advanced caching strategies and database optimization techniques, reducing system response times by 60% and improving overall application performance

Software Engineer — **September 2019 – September 2021**
hSenid Mobile Solutions PVT Limited — *Dhaka, Bangladesh*

- Developed microservices architecture using Java and Spring Boot, implementing advanced caching strategies that reduced authentication server latency by 50%
- Created custom payment gateway solutions with comprehensive API documentation and testing suites, improving transaction processing speed by 25%
- Optimized complex SQL queries and implemented efficient caching algorithms using Docker and AWS, supporting scalable infrastructure for enterprise clients

Jr. Software Engineer (Android) — **June 2018 – September 2019**
Field Buzz (Field Information Solutions GmbH) — *Dhaka, Bangladesh*

- Developed dynamic form builder library using Java and Android SDK, creating flexible UI components that adapted to backend configurations
- Built Android applications using Java and Kotlin with focus on code quality and user experience, achieving 25% improvement in app stability
- Collaborated with backend teams to design RESTful API integrations, gaining full-stack perspective that enhanced system design understanding

Key Projects

Enterprise URL Shortener & Analytics Platform | *Kotlin, Spring Boot, Redis, MariaDB, Python, Docker, Grafana*
- Built high-performance URL resolution service using Spring Boot WebFlux and Kotlin coroutines, achieving sub-5ms response times with Redis caching and SSL interception for secure HTTPS traffic handling
- Developed comprehensive data processing pipeline with automated log ingestion, real-time analytics, and Python-based reporting engine featuring hourly/daily SQL rollups and 95%+ test coverage
- Implemented enterprise-grade security and monitoring through custom rate limiting framework, licensing system, Grafana dashboards, and MariaDB with optimized schemas for high-throughput data operations

M1-SDP Digital Office Middleware | *Kotlin, Spring Boot, MariaDB, Docker*
- Telecommunications service gateway handling BAS (Billing and Account System) operations including authentication, bundle subscriptions, credit management, and balance queries with XML-based request/response processing
- Multi-system integration platform connecting 6D billing system, OpenNet platform, and ECGS (Enterprise Customer Gateway System) through REST APIs with event-driven architecture and SNMP monitoring
- Enterprise-grade middleware built with Spring Boot 3.x, Kotlin, and MariaDB featuring connection pooling, async event processing, comprehensive logging, and containerized deployment support for high-throughput telecom operations

Banking Recommendation System (Seylan CUBE) | *Java, Spring Boot, React, GraphQL*
- Built scalable recommendation engine using traditional backend architecture with microservices design for rapid frontend iteration
- Leveraged modern development practices for API development and React component generation, reducing development time by 40%
- Implemented real-time feedback processing with GraphQL subscriptions, improving customer engagement metrics by 15%

Payment Platform (IPGHutch) | *Java, Spring Boot, MySQL, SOAP*
- Architected enterprise payment platform with 30% improvement in transaction success rates using optimized code practices
- Implemented automated reporting systems with comprehensive documentation and testing suites, accelerating delivery by 25%
- Built comprehensive API gateway with intelligent routing and monitoring, reducing transaction latency by 20%

Telco Platform (M1SDP) | *Spring Boot, GraphQL, Microservices*
- Modernized legacy USSD platform using microservices architecture with optimized migration patterns, improving performance by 20%
- Developed real-time SMS notification system using event-driven architecture, increasing customer satisfaction by 35%
- Successfully migrated monolithic systems to cloud-native microservices, reducing maintenance overhead by 25%

Technical Skills

Backend & Core: Java, Kotlin, Python, Spring Boot, Spring MVC, Hibernate, RESTful APIs, GraphQL, Microservices
AI Development Tools: GitHub Copilot, Cursor IDE, Windsurf, Claude Dev, v0, Bolt, Kiro, Junie, OpenAI APIs, AI-Assisted Code Generation, Intelligent Testing
Frontend & Full-Stack: React, Next.js, TypeScript, JavaScript, Tailwind CSS, AI-Enhanced UI Development
Databases & Storage: MySQL, PostgreSQL, MongoDB, MariaDB, Redis, SQL Optimization, JPA/Hibernate
DevOps & Cloud: Docker, Kubernetes, AWS, CI/CD, GitLab, Jenkins, Monitoring, Infrastructure as Code
Development & Collaboration: Git, IntelliJ IDEA, VS Code, Agile/Scrum, TDD, Remote Team Leadership, Code Review, AI-Assisted Development
Integration & Messaging: Apache Kafka, RabbitMQ, WebSockets, OAuth2, JWT, API Gateway, Event-Driven Architecture

Education

North South University   **2014 − 2018**
Bachelor of Science in Computer Science & Engineering   *Dhaka, Bangladesh*

Key Achievements & Professional Highlights

Performance Optimization: Achieved 400% improvement in query performance for 5G authentication systems through advanced caching strategies, database optimization, and system tuning
System Debugging Expertise: Proficient in analyzing thread dumps, heap dumps, profiling data, and network packet captures (PCAPs) for root cause analysis
Team Leadership: Successfully led remote teams of 10+ engineers across multiple time zones using modern collaboration tools
AI Integration Pioneer: Early adopter of AI development tools, establishing best practices for AI-assisted development workflows
Remote Work Excellence: 5+ years of remote work experience with proven track record of delivering complex projects