ZAHIDUL ISLAM

Full Stack Developer | Cloud Architect | AI Automation Specialist

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PROFESSIONAL SUMMARY

Full Stack Developer and Cloud Architect with expertise in building scalable hybrid cloud solutions and AI-powered applications. Specialized in AWS/GCP infrastructure, React/Next.js development, and WordPress customization. Former Physiotherapy Technologist (3+ years) with unique healthcare domain expertise, enabling development of HIPAA-compliant medical platforms. Proven track record of architecting enterprise-grade telemedicine systems, e-commerce platforms, and mobile applications serving international clients.

TECHNICAL SKILLS

Cloud & Infrastructure:
AWS (Lambda, API Gateway, DynamoDB, S3, CloudFront, Cognito, EventBridge, Step Functions, Bedrock) • GCP (BigQuery, Cloud Functions, Pub/Sub, Cloud Storage) • Terraform • Docker • CI/CD Pipelines

Frontend Development:
React.js • Next.js • TypeScript • Tailwind CSS • Vite • React Router • Framer Motion • Responsive Design • Progressive Web Apps (PWA)

Backend Development:
Node.js • Python • PHP • RESTful APIs • GraphQL • WebSocket • Serverless Architecture • Microservices

Database & Storage:
PostgreSQL • MongoDB • DynamoDB • Supabase • AWS S3 • Data Modeling

WordPress Ecosystem:
Elementor • Advanced Custom Fields (ACF) • WooCommerce • WPGraphQL • Custom Theme Development • Plugin Development • AJAX Integration

AI & Automation:
Dialogflow ES • Amazon Bedrock • Google Gemini • n8n Workflow Automation • Natural Language Processing

Mobile Development:
Capacitor • React Native • Android SDK • Gradle • Progressive Web Apps

DevOps & Tools:
Git/GitHub • Docker Desktop • AWS CLI • VS Code • Android Studio • npm/yarn • Webpack • Google Antygravity • Cursor

Specialized Knowledge:
 Healthcare/Medical Systems • HIPAA Compliance • E-commerce Platforms • Payment Gateway Integration (Stripe) • Real-time Communication (WebRTC, Amazon Chime) • Data Analytics

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PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer & Cloud Architect

Self-Employed |

Key Achievements:

- Built enterprise-grade applications with 99.9% uptime
- Architected hybrid cloud infrastructure integrating 50+ AWS and GCP services
- Reduced infrastructure costs by 60% through serverless architecture optimization
- Implemented AI-powered features increasing user engagement

Notable Projects:

MediConnect - Hybrid Cloud Telemedicine Platform *(Flagship Project)*

- Architected comprehensive telemedicine platform integrating AWS Lambda, API Gateway, DynamoDB, S3, Cognito, and GCP BigQuery for analytics
- Implemented real-time video consultations using Amazon Chime SDK with AI-powered transcription and summarization via Amazon Bedrock
- Built AI symptom checker processing queries with maximum accuracy
- Developed secure e-prescription system with AWS KMS digital signatures and pharmacy network integration
- Created IoT health monitoring system for wearable devices with real-time alerting via AWS IoT Core
- Integrated Stripe payment processing with dynamic insurance verification and billing automation
- Established multi-region disaster recovery with S3 Cross-Region Replication and DynamoDB Global Tables
- **Technologies:** AWS (Lambda, API Gateway, DynamoDB, S3, Cognito, Bedrock, Chime SDK, IoT Core), GCP (BigQuery, Pub/Sub), React, TypeScript, Terraform, Stripe API, WebSocket

Health Code Analysis - Medical Content Platform

- Developed WordPress-based medical platform with custom PHP calculators (BMI, eGFR, $CHADS_2$-VASc scoring)
- Integrated intelligent Dialogflow ES chatbot retrieving posts via natural language queries
- Built custom AJAX framework (NeuroScan) for dynamic content loading without page reloads
- Implemented Advanced Custom Fields (ACF) template switcher for dynamic post layouts
- Created Medical Prompt Engineering Lab for AI research tool testing
- **Technologies:** WordPress, Elementor, ACF, Custom PHP, JavaScript/jQuery, AJAX, Dialogflow ES, Google Cloud Platform

Health Code Analysis (Agency Demo) - Business Automation Portal

- Designed conversion-focused agency website with advanced Dialogflow ES sales chatbot
- Integrated Calendly API for automated appointment booking within chat interface
- Implemented direct payment link generation (Stripe) based on service selection
- Created dark mode architecture with CSS variables and Lottie animations
- Built custom post types for portfolio showcase with Elementor templates
- **Technologies:** WordPress, Dialogflow ES, Calendly Integration, Stripe API, Elementor, Lottie Animations

Chronos - Headless E-Commerce Platform

- Architected headless WordPress backend using WPGraphQL with React/Vite frontend
- Extended WooCommerce with ACF for luxury watch specifications (movement, materials, water resistance)
- Implemented JWT authentication for secure cart sessions and order management
- Built dynamic product filtering, sorting, and cart state management with Context API
- Designed minimalist luxury UI with serif typography and gold accent palette
- **Technologies:** React, Vite, WPGraphQL, WooCommerce, ACF, Tailwind CSS, JWT, GraphQL

EquipCert - AI-Powered Equipment Inspection App

- Developed hybrid Next.js mobile app deployed via Capacitor as native Android APK
- Integrated Google Gemini Vision API for automatic equipment identification from photos
- Implemented JSONB architecture in Supabase for flexible inspection checklists
- Connected Contentful headless CMS for equipment manuals and safety guidelines
- Solved Windows path limit issues with virtual drive mapping strategy
- **Technologies:** Next.js, Capacitor, Supabase (PostgreSQL), Contentful, Google Gemini Vision API, Android SDK, Gradle

n8n Automation Workflows

- Built competitor pricing monitoring system with Google Sheets integration and Gemini AI analysis
- Created autonomous AI research agent with web scraping and lead qualification
- Developed safety alert workflow for critical system monitoring
- **Technologies:** n8n, Google Gemini, HTTP Requests, Google Sheets API, Markdown parsing

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Physiotherapy Technologist

Healthcare Facility |

- Provided patient care and rehabilitation services with 95% patient satisfaction rating
- Developed exceptional attention to detail and precision in clinical documentation
- Mastered medical terminology and healthcare industry workflows
- Cultivated strong patient communication and problem-solving skills in high-pressure environments
- **Key Insight:** Healthcare experience directly informs HIPAA-compliant application development and medical platform UI/UX design

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EDUCATION

Diploma in Physiotherapy Technology
[SPKS Medical Institute] | 2017 - 2021

Continuous Learning:

- AWS & GCP Architect
- Advanced React Patterns & Performance Optimization
- Terraform Infrastructure as Code
- Healthcare IT & HIPAA Compliance Standards

SERVICE OFFERINGS

WordPress Development | $150 - $350+
Custom theme development, plugin integration, AI chatbot implementation, e-commerce solutions

Hybrid Cloud Architecture | $1,500+
AWS/GCP infrastructure design, serverless applications, CI/CD pipelines, cost optimization

Full Stack Applications | Custom
React/Next.js frontends, Node.js/Python backends, database design, API development

AI Integration & Automation | Custom
Chatbot development, n8n workflows, LLM integration, computer vision solutions

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KEY DIFFERENTIATORS

Healthcare Domain Expertise - Unique physiotherapy background enables HIPAA-compliant medical platform development
Cost-Effective Innovation - Achieve premium results using free tools and custom code, saving clients 40-60% on licensing
Hybrid Cloud Mastery - Expert-level AWS/GCP integration with proven enterprise architecture
AI-First Development - Leverage cutting-edge AI (Bedrock, Gemini, Dialogflow) for competitive advantage
International Client Focus - Clear communication, timezone flexibility, remote-first workflow

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LANGUAGES

- **English:** Working Proficiency
- **Bengali:** Native

AVAILABILITY

Open to freelance projects, contract positions, and long-term collaborations | Remote work preferred

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References available upon request