Bilal Ahmed

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PROFILE

Hi, I'm **Bilal Ahmed**, a developer with **6+ years** of experience crafting innovative solutions using modern technologies like **Node.js, Next.js, React, Express.js, and MongoDB**. My expertise includes blockchain integration, **NFT marketplaces, smart contracts, and crypto wallets**, utilizing tools like **Ethers.js, Web3.js, QuickNode, and Infura**.

I specialize in building scalable applications, **Shopify** embedded solutions, and seamless **API integrations**. With hands-on experience **deploying via Docker, Google Cloud, and Vercel**, I ensure robust performance. My proficiency in designing user-friendly interfaces with React Material Design and SASS underscores my commitment to delivering exceptional, cutting-edge solutions.

SKILLS

- **Frontend Development:** HTML, CSS, Bootstrap, JavaScript, React, Next.js
- **Backend Development:** Node.js, Express
- **Databases:** MongoDB, MySQL, SQL Server
- **Cloud Platforms & Services:** Google Cloud Platform (GCP), Cloud Functions, Pub/Sub, Docker, Vercel
- **Version Control & Collaboration:** GIT, GitHub, Bitbucket, JIRA
- **eCommerce & APIs:** Shopify API (GraphQL)
- **Blockchain Technologies:** Ethers.js, Web3.js, IPFS, Pinata, QuickNode, Infura
- **Crypto Solutions:** Crypto Wallets, Smart Contract Integration

EDUCATION

- Master in Information Technology (2014

Protect Plus (Shopify Application for Order Protection)

Live Link: [Protect Plus](#)
Overview:
A Shopify embedded application providing package protection for loss, damage, or theft. It enables Shopify stores to protect customer orders with a single click.

Key Contributions:

- Developed a fully responsive Shopify embedded application using **Next.js** and **Node.js**.
- Designed a **service-based architecture** for core modules (e.g., orders, merchant authentication).
- Integrated **Google Cloud Bucket** for data storage and **Google Pub/Sub** for data communication.
- Deployed backend services on **Google Cloud Platform** using **Docker**; frontend on **Vercel**.
- Created admin APIs to generate Shopify store access tokens.
- Implemented **MongoDB** for efficient data management.

Tools & Technologies:
Node.js, Next.js, Google Cloud, Docker, MongoDB, Git, React Material Design, GitHub

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HealthSIA (Comprehensive Healthcare Management Platform)

Live Link: [HealthSIA](#)
Overview:
HealthSIA is an all-in-one healthcare management platform designed for clinics, patients, and healthcare providers, including administrators, nutritionists, therapists, and surgeons. It streamlines patient care, scheduling, and administrative workflows while integrating with a mobile application for enhanced accessibility and convenience.

Key Contributions:

- Developed a **responsive admin portal** using **Next.js** and **Node.js** to manage clinics, patients, and healthcare providers.
- Designed and deployed **RESTful APIs** to support mobile application functionalities, ensuring a seamless multi-platform experience.
- Implemented **real-time communication** features using **Socket.IO** for live updates and interactions between users.

- Integrated **Firebase** for real-time notifications, keeping patients and providers informed about appointments, updates, and critical alerts.
- Enabled role-based access for administrators, nutritionists, therapists, and surgeons to securely manage specific workflows.
- Designed and implemented key features, including patient record management, appointment scheduling, and health progress tracking.
- Deployed backend services on **Google Cloud Platform (GCP)** and ensured secure, scalable performance.
- Delivered a user-friendly, intuitive UI/UX tailored for diverse user roles to enhance usability and productivity.

Tools & Technologies:
Next.js, Node.js, Google Cloud Platform (GCP), MySQL, Firebase, Socket.IO, JWT Authentication, Vercel

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PeepSkills (Social Platform for Athletes, Coaches, and Spectators)

Live Link: PeepSkills
Overview:
PeepSkills is a dynamic social platform connecting athletes, coaches, and spectators. It enables users to interact through posts, comments, likes, dislikes, and friend requests while providing filtering options based on sports and roles. The platform includes an admin panel for managing users, posts, sports, blogs, and more.

Key Contributions:

- Designed and developed a **responsive social platform** using **Next.js** and **Node.js**, providing seamless user interactions.
- Implemented core social features like **posting, reposting, commenting, liking, disliking**, and **sending friend requests**.
- Developed advanced **filtering capabilities** to sort content by sports and user roles (athlete, coach, spectator).
- Built a comprehensive **admin panel** to manage users, control posts, handle sports data, and create/administer blogs and announcements.
- Enabled secure and efficient backend operations with **Google Cloud Platform (GCP)** and **MongoDB**.
- Deployed the platform on **Vercel** to ensure fast and reliable performance.
- Delivered an intuitive UI/UX for both social users and admin roles, ensuring a user-friendly experience.

Tools & Technologies:
Next.js, Node.js, Google Cloud Platform (GCP), MySQL, Vercel

Mimimal Art (Digital Art Platform)

Live Link: [Mimimal Art](#)
Overview:
Mimimal Art is a sleek and modern digital art platform designed to showcase curated artwork with an emphasis on minimalistic aesthetics. The platform delivers a seamless user experience, allowing artists and art enthusiasts to explore, view, and interact with art collections in a visually appealing way.

Key Contributions:

- Developed a **fully responsive web platform** using **Next.js** and **Node.js** to ensure optimal performance across all devices.
- Deployed the application on **Vercel** for efficient and scalable hosting.
- Integrated backend services on **Google Cloud Platform (GCP)** for secure and reliable data management.
- Enhanced the user experience with intuitive UI/UX design, ensuring a smooth navigation flow for users.

Tools & Technologies:
Next.js, Node.js, Google Cloud Platform (GCP), Vercel

Bow Tie Bow Wow (Token-Based Pet Community Platform)

Live Link: [Bow Tie Bow Wow](#)
Overview:
Bow Tie Bow Wow is a unique token-based platform designed for pet lovers, combining blockchain technology with community engagement. It leverages a custom token system to promote participation in pet-focused initiatives, fostering a vibrant ecosystem for pet owners, enthusiasts, and service providers.

Key Contributions:

- Developed a **fully responsive platform** using **Next.js** and **Node.js**, ensuring a seamless user experience across devices.
- Integrated backend services on **Google Cloud Platform (GCP)** for scalable and secure token transactions.
- Deployed the platform on **Vercel**, delivering fast and reliable hosting.
- Implemented token-based features, enabling users to earn, trade, and utilize tokens within the platform.

- Enhanced user engagement with an intuitive interface and pet-themed designs, creating a fun and engaging community environment.

Tools & Technologies:
Next.js, Node.js, Google Cloud Platform (GCP), Vercel

Alfie (Token-Based Sustainability Platform)

Live Link: [Alfie](#)
Overview:
Alfie is a token-based platform designed to promote sustainable living and environmental awareness. The platform leverages the **Alfie Coin**, empowering users to contribute to eco-friendly initiatives while earning and trading tokens as part of a green economy.

Key Contributions:

- Developed a **responsive web platform** using **Next.js** and **Node.js**, optimized for token-based interactions.
- Integrated backend services with **Google Cloud Platform (GCP)** to handle secure and scalable token management.
- Deployed the platform on **Vercel** for fast, reliable hosting and smooth user experiences.
- Implemented dynamic features to support token-based transactions and promote the **Alfie Coin** ecosystem.
- Enhanced user engagement with an intuitive and visually appealing UI/UX design, aligned with the platform's sustainability goals.

Tools & Technologies:
Next.js, Node.js, Google Cloud Platform (GCP), Vercel

Okay Beans Shop (Shopify Store with Blockchain Payment Gateway)

Overview:
A Shopify store integrated with a blockchain payment gateway to enable secure transactions using Solana.

Key Contributions:

- Built a fully responsive payment gateway application using **Next.js** and **Node.js**.
- Integrated **Helio Blockchain Payment Gateway** for Solana-based transactions.
- Designed admin APIs for accessing store APIs and managing payment processing.

- Configured and deployed the Shopify store with blockchain capabilities.
- Integrated **MongoDB** for backend data management.

Tools & Technologies:
Node.js, Next.js, TypeScript, Helio Payment Gateway, MongoDB, Git, GitHub

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Cardboard Citizens Shop (Shopify Store with Blockchain Payment Gateway)

Overview:
A blockchain-enabled Shopify store for processing Solana-based payments using Helio Gateway.

Key Contributions:

- Built a fully responsive payment gateway application using **Next.js** and **Node.js**.
- Integrated **Helio Blockchain Payment Gateway** for Solana-based transactions.
- Designed admin APIs for accessing store APIs and managing payment processing.
- Configured and deployed the Shopify store with blockchain capabilities.
- Integrated **MongoDB** for backend data management.

Tools & Technologies:
Node.js, Next.js, TypeScript, Helio Payment Gateway, MongoDB, Git, GitHub

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Flambo Panthers (Shopify Store with Blockchain Payment Gateway)

Overview:
A Shopify store integrated with Helio Blockchain Payment Gateway for secure Solana transactions.

Key Contributions:

- Built a fully responsive payment gateway application using **Next.js** and **Node.js**.
- Integrated **Helio Blockchain Payment Gateway** for Solana-based transactions.
- Designed admin APIs for accessing store APIs and managing payment processing.
- Configured and deployed the Shopify store with blockchain capabilities.
- Integrated **MongoDB** for backend data management.

Tools & Technologies:
Node.js, Next.js, TypeScript, Helio Payment Gateway, MongoDB, Git, GitHub

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Ghost Kid Shop (Shopify Store with Blockchain Payment Gateway)

Overview:
A Shopify store integrated with Helio Blockchain Payment Gateway for secure Solana transactions.

Key Contributions:

- Built a fully responsive payment gateway application using **Next.js** and **Node.js**.
- Integrated **Helio Blockchain Payment Gateway** for Solana-based transactions.
- Designed admin APIs for accessing store APIs and managing payment processing.
- Configured and deployed the Shopify store with blockchain capabilities.
- Integrated **MongoDB** for backend data management.

Tools & Technologies:
Node.js, Next.js, TypeScript, Helio Payment Gateway, MongoDB, Git, GitHub

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MissedFits (Shopify Embedded Application)

Overview:
A Shopify embedded application for managing subscriptions and client data.

Key Contributions:

- Developed a fully responsive embedded application using **Next.js** and **Node.js**.
- Connected with **Gadget APIs** for seamless data interaction.
- Integrated **GraphQL** for database management.
- Implemented subscription handling for clients.

Tools & Technologies:
Node.js, Next.js, Shopify CLI, GraphQL, Git, React Material Design

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Dstage (NFT Marketplace)

Live Link: Dstage
Overview:

A responsive NFT marketplace supporting multiple blockchains, allowing users to mint and trade NFTs.

Key Contributions:

- Integrated **ERC-721** and **ERC-1155 contracts** for NFT management.
- Supported blockchain wallets (MetaMask, Phantom) and integrated Polygon, Ethereum, Binance, and Solana.
- Used **Pinata (IPFS)** for secure data uploads.
- Built an admin panel and marketplace with responsive UI using **Material UI** and **SASS**.

Tools & Technologies:
Node.js, Next.js, Web3.js, Ethers.js, QuickNode, MongoDB, React Material Design

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Bezoge (NFT Marketplace Landing Page)

Live Link: [Bezoge](#)
Overview:
An NFT marketplace landing page featuring blockchain integration and IPFS for NFT uploads.

Key Contributions:

- Integrated **MetaMask Wallet** for seamless user transactions.
- Supported ERC-721 contracts and secure data uploads with **Pinata (IPFS)**.
- Built a responsive UI using **Material UI** and **SASS**.

Tools & Technologies:
Node.js, Express.js, Web3.js, Next.js, MongoDB, Git

Gmeez (Gaming Platform)

Live Link: [Gmeez](#)
Overview:
A gaming platform with chat functionality and modules for onboarding, user profiles, and team management.

Key Contributions:

- Designed and updated responsive UI using **Material UI** and **SASS**.
- Enhanced real-time chat functionality with **Socket.IO**.

- Developed modules for onboarding, account settings, and team management using **Node.js** and **MongoDB**.

Tools & Technologies:
Node.js, React, MongoDB, Socket.IO, SASS

Axehedge (Stock Market Advisory Platform)

Live Link: Axehedge
Overview:
Axehedge is an innovative platform that empowers users to navigate stock markets by leveraging advanced analytics and AI-driven insights. The platform simplifies financial management by providing users with curated stock recommendations, portfolio analysis, and real-time updates to make informed investment decisions.

Key Contributions:

- Designed and developed a **responsive user interface** for seamless cross-device accessibility.
- Integrated **AI-powered analytics** to provide real-time stock market insights and portfolio recommendations.
- Built a robust **email notification system** using **SendGrid** for market alerts and updates.
- Ensured secure user data handling and management with **MongoDB**.
- Streamlined user experience with **Material UI** and **SASS** for clean and intuitive designs.

Tools & Technologies:
Node.js, React, MongoDB, Material UI, SASS, SendGrid, Docker

Agile Sales Tool (AST) (Call Center CRM)

Overview:
A call center CRM designed for lead management, assignment, and reporting.

Key Contributions:

- Built lead management and tracking features with data export capabilities.
- Implemented user assignment and status tracking for agents.

Tools & Technologies:
ASP.NET, SQL Server, Crystal Reports

CERTIFICATIONS

- Oracle Database Administration
    - Oranet Institute (2017)
- Frontend and Backend Development
    - Onclick Institute (2014)
- Graphic Designing
    - PICIT (2010)