Patrick Debski
Senior Full Stack Developer

Email: memey.healer@gmail.com   Location: Germany   Phone: +49 3012345678

Linkedin: https://www.linkedin.com/in/patrick-debski-447685339/

Professional Summary

Senior **Blockchain** Developer with over 7 years of experience in IT and **software** development, specializing in blockchain technologies and decentralized applications. Demonstrated expertise in building and deploying secure **smart contracts** and scalable **DApps**, with a focus on **Ethereum** and **Binance Smart Chain** (**BSC**) and Solana. Proficient in **Solidity**, **Web3.js**, **Ether.js**, **Rust**, and frameworks like **Truffle**, **Hardhat**, and **Anchor**. Adept at designing **tokenomics**, integrating **wallets**, and ensuring cross-chain interoperability. Known for leading teams, mentoring developers, and delivering enterprise-grade solutions across industries such as **cryptocurrency**, **finance**, and **AI/ML**.

Professional Experience

Designation: Web/AI/Blockchain Developer
Company name: Appello   **Tenure**: Nov 2023 – Present   **Location:** Remote

Roles & Responsibilities:

- Developed AI-driven projects using **GPT-4**, **RunPod** and **Hugging Face**, integrated with CRM systems like **HighLevel** to improve automation and voice transcription accuracy.
- Created a crypto trading bot on the **Solana** network, increasing transaction optimization by leveraging **Jupiter** and **Web3** technologies.
- Designed and implemented a comprehensive inventory management system using **RFID** and **barcode** tech to enhance warehouse operations.
- Developed **REST APIs** in **Python** (**Flask**, **Django**) with optimized backend services using **Gunicorn** and **Celery**.
- Successfully implemented **NoSQL** data structures to accommodate flexible data models, particularly for unstructured or semi-structured data.
- Collaborated on frontend development using **React.js, Vue.js**, and **TypeScript**.
- Developed systems that seamlessly handle increased user loads and transaction volumes by leveraging technologies like containerization (**Docker, Kubernetes**) and cloud-native solutions.
- Worked on associated REST tools such as **Swagger, Postman,** and **SOAP UI** testing HTTP Requests and responses.
- Working Knowledge in **AWS EC2** by creating snapshots, volumes, and security groups for public and private instances.

- Leveraged AWS services, such as **AWS Lambda** and **Amazon S3**, for scalable infrastructure and storage of data, ensuring high availability and performance.

Environment: Python, Flask, Gunicorn, Celery, React, Node.js, MongoDB, Solana Web3, Jupiter, Docker, OpenAI, ChatGPT, GPT-4, RunPod, HuggingFace, WhisperX, Digital Ocean, Postman, Agile Methodology using Scrum, Git, GitHub, JavaScript/TypeScript.

Designation: Project Lead Developer
Company name: USquareSoft   **Tenure:** Dec 2022 – Oct 2023   **Location:** Remote, Toronto, Ontario, Canada

Roles & Responsibilities:

Developed world first medical procedure logbook designed for national use. This innovative tool is a valuable resource for medical professionals, helping them to track their work and improve patient care.

- Led the development of a national medical logbook, integrating **CI/CD** pipelines using **Jenkins** and **Docker** to streamline deployment.
- Conducted manual testing using **JIRA** to create and execute test cases, track defects, and manage test documentation.
- Implemented REST APIs using **Node.js** backend, especially using **Express.js** asynchronous framework.
- Implemented Eloquent ORM with **Prisma** for robust database management.
- Experienced with **RDBMS** implementation and development using **MySQL.**
- Utilized **GIT** for version control and **JIRA** for bug tracking and project management.
- Expertise in **Unit Testing** using **Junit, Jasmine, Mockito,** and **Karma.**
- Working knowledge in **Google Cloud** by deploying **Node.js** backend project on the **Cloud Run.**
- Implemented user friendly frontend using **React.js** framework and **TailwindCSS** for styling.

Environment: Node.js, React, Prisma, MySQL, GitHub, Jira, Agile Methodology using Scrum, Postman, Google Cloud, CSS3, TailwindCSS, JavaScript/TypeScript.

Designation: Senior Web/Blockchain Developer
Company name: bitsCrunch   **Tenure**: May 2020 – Nov 2022   **Location:** Remote, Munich, Germany

Roles & Responsibilities:

1. **Blockchain development**
- Design, develop, and deploy **smart contracts** on **Ethereum**, **Binance Smart Chain (BSC)**, and **Polygon** using **Solidity** and frameworks such as **Truffle** and **Hardhat**.
- Build and maintain **decentralized applications (DApps)** for **NFT analytics**, fraud detection, and valuation using **Web3.js** and **Ether.js**.
- Create and optimize **custom tokens**, implementing standards like **ERC-721**, **ERC-1155**, and **BEP-20** for NFT and cryptocurrency ecosystems.
- Develop **cross-chain solutions** and interoperability frameworks using tools like **Wormhole Protocol** to bridge **Ethereum**, **BSC**, and **Solana** networks.

- Implement **automated trading systems** and bots on **blockchain networks** utilizing **Solana**, **Jupiter Aggregator**, and **Anchor Framework**.
- Perform **smart contract audits** to ensure security, reliability, and gas efficiency.

2. **Web development**
- Build scalable, responsive web applications for blockchain solutions using **React.js**, **Next.js**, and **TypeScript** with modern UI frameworks like **TailwindCSS**.
- **Develop** robust backend architectures with **Node.js**, **Express**, and **Nest.js**, integrating **blockchain** APIs for seamless functionality.
- Implement data retrieval and integration with tools like **The Graph**, **OpenSea API**, and **Alchemy** to enable real-time **blockchain** data analytics.
- Optimize web applications for performance and scalability to handle high traffic volumes inherent to **NFT marketplaces**.

3. **DevOps and Security**
- Deploy blockchain-based web solutions on **AWS**, **Google Cloud**, and **Digital Ocean** using **Docker** and **Kubernetes** for efficient **DevOps** workflows.
- Set up and maintain **CI/CD pipelines** for the rapid and reliable deployment of blockchain applications.
- Ensure application security through rigorous **smart contract testing**, vulnerability assessments, and adherence to best practices for blockchain security.

Environment: Blockchain, smart contracts, Solidity, Node.js, React.js, Web3.js, Ether.js, Truffle, Hardhat, NFT analytics, decentralized applications (DApps), ERC-721, ERC-1155, BEP-20, Solana, Anchor Framework, Jupiter Aggregator, DevOps, CI/CD, MongoDB, PostgreSQL, NoSQL, AWS, Kubernetes, Docker, AI-powered analytics, OpenAI, Hugging Face.

Designation: Junior Blockchain Developer

Company name: bitsCrunch   **Tenure:** Aug 2017 – Apr 2020   **Location:** Remote, Munich, Germany

Roles & Responsibilities:

1. **Blockchain development:**
- Assisted in the development and deployment of **smart contracts** on **Ethereum** and **Binance Smart Chain (BSC)** using **Solidity**.
- Contributed to the creation of **decentralized applications (DApps)**, implementing user-friendly interfaces and backend integrations for blockchain interactions.
- Participated in designing and testing **ERC-20** and **ERC-721** tokens for custom **cryptocurrency** and **NFT** projects.
- Collaborated on writing **unit tests** for smart contracts to ensure security and reliability.
- Supported the integration of blockchain wallets, such as **MetaMask** and **Trust Wallet**, for seamless user transactions.

2. **Web development:**
- Worked on the frontend development of blockchain-based applications using **React.js**, **HTML5**, and **CSS3**.
- Developed and optimized RESTful APIs using **Node.js** for blockchain data retrieval and processing.
- Created dashboards to display **real-time blockchain data** using libraries like **Chart.js** and **D3.js**.

3. **Data Management:**
- Assisted in managing **blockchain transaction data** using databases like **MongoDB** and **PostgreSQL**.
- Implemented scripts for analyzing blockchain data, such as transaction history and token balances.
4. **DevOps and Testing**:
- Supported the deployment of blockchain applications on **AWS** and **Digital Ocean**, ensuring stable environments for production and development.
- Contributed to setting up **CI/CD pipelines** for development workflows using **Jenkins** and **GitHub Actions**.
- Conducted manual and automated tests for smart contracts using **Truffle**, **Hardhat**, and testing libraries like **Mocha** and **Chai**.
5. **Collaboration and Learning:**
- Collaborated with senior developers to understand and implement blockchain best practices.
- Researched and documented emerging blockchain technologies, including updates to Ethereum standards and new consensus mechanisms.
- Participated in Agile workflows, attending daily standups, and contributing to sprint planning and retrospectives.

Environment: Ethereum, BSC, Solidity, smart contracts, Truffle, Hardhat, React.js, Node.js, MongoDB, Wallet integration, RESTful APIs, AWS, CI/CD pipelines, Docker, Mocha, Chai, Truffle testing

Professional Projects

- https://app.gomemex.com/
  Developed a crypto trading bot project on the Solana network, enabling customers to buy and sell tokens and trade automatically using the bot to increase the volume of their tokens.
  Utilized Google Cloud Platform (GCP) for a serverless backend and implemented the trading bot with Python, Flask, Gunicorn, and Celery.
- https://nabl.ai/
  Developed an AI-powered call analysis project using OpenAI, GPT-4, WhisperX, Large Language Models (LLM), RunPod, and Hugging Face. Integrated with the HighLevel CRM to store transcription data.
- https://www.eventssmarter.com/
  Developed EventsSmarter, an event management platform using Vue.js for the frontend and Laravel for the backend, deployed on AWS for scalability and performance.
  Allowed event organizers to manage events, sell tickets, stream live events, and offer merchandise, all within one system.
  Contributed to building features like digital ticketing, real-time event updates, and the integration of AWS services to ensure high availability and smooth user experience.
- https://mdlogbook.com/
  Contributed to building a secure, cloud-based platform designed for medical professionals to log and manage their procedures efficiently as a lead developer.
  The systems helps healthcare providers track, organize, and analyze medical data with ease, ensuring data security and compliance with healthcare regulations.

The project utilizes a robust tech stack, including Node.js and Express.js for backend services, React.js and TailwindCSS for a responsive frontend, and MySQL as the primary database. The platform is hosted on Google Cloud with a CI/CD pipeline set up using Jenkins and Docker for automated deployments.

- https://www.hockeyshare.com/
  Developed an online platform designed for hockey coaches and players, enabling them to create and manage practice drills and training plans effectively.
  The project utilizes Vue.js for the frontend and Laravel for backend, with PostgreSQL for data storage. It is deployed on AWS to ensure scalability and reliability.
- https://play.google.com/store/apps/details?id=com.fanimalapp
  Fanimal makes it easy for you and your friends to buy cheap tickets to your favorite live events. We provide transparent pricing, which means no more hidden fees - what you see is what you pay. Whether you're buying concert tickets or heading to your next sporting event, Fanimal's large inventory gives you access to a wide selection of concerts, venues, sports, festivals, comedy shows, and more - including tickets to sold out events!
- https://coinmooner.com/
  CoinMooner is a cryptocurrency platform that provides comprehensive information on various tokens, including new listings, presales, and airdrops. It keeps users updated with the latest crypto news and tutorials while enabling community engagement through voting on listed projects to influence their rankings. The platform aims to simplify the crypto landscape for enthusiasts and investors by offering relevant tools and resources.

Education

Bachelor's Degree in Computer Science

Technical University of Munich   2014-2017

Certifications

- Advanced CSS and Sass: Flexbox, Grid, Animations
  Organization: Udemy
  Skills: Cascading Style Sheets (CSS), Webpack
- Advanced NextJS WooCommerce With REST API and TailwindCSS
  Organization: Udemy
  Skills: React.js, Next.js, TailwindCSS, REST APIs
- Generative AI with Large Language Models
  Organization: Coursera
  Skills: Generative AI, Machine Learning, Large Language Models (LLM), Amazon Web Services (AWS)
- Material UI – The complete Guide with React
  Organization: Udemy
  Skills: React.js, Material-UI, formic
- Modern React
  Organization: Udemy

Skills: React.js, TypeScript, Next.js, CSS module, Styled-Components, Bootstrap, Webpack, MongoDB, Express.js, Redux.js
- Node.js Developer Course
Organization: Udemy
Skills: Node.js, JavaScript, Express.js, GitHub, JSON Web Token (JWT)
- Ultimate AWS certified Developer Associate 2024
Organization: Udemy
Skills: Amazon Web Services (AWS), AWS Lambda, Amazon EC2, Amazon S3, AWS CodeDeploy, AWS CodePipeline, AWS CloudFormation
- Website Speed Optimization
Organization: Udemy
Skills: PageSpeed Insights, Optimizing Performance

Core competencies and Skills

Blockchain development

- Ethereum, Binance Smart Chain (BSC), Solana
- Solidity, Web3.js, Ether.js, Rust, Anchor Framework
- Smart Contract Development, DApps, NFT Analytics
- Token Standards: ERC-20, ERC-721, ERC-1155, BEP-20
- Truffle, Hardhat, Wormhole Protocol, Jupiter Aggregator

Web development

- React.js, Next.js, Vue.js, Nuxt.js, Angular, TailwindCSS, TypeScript
- Node.js, Express.js, Django, Flask, Python, FastAPI, Celery, Gunicorn
- RESTful APIs, GraphQL, WebSocket

DevOps and Cloud

- Amazon Web Service(AWS), Google Cloud, Digital Ocean, Kubernetes, Docker
- CI/CD Pipelines: Jenkins, GitHub Actions

Database management

- MongoDB, PostgreSQL, MySQL, DynamoDB, NoSQL

Methodologies

- Agile (Scrum), Test-Driven Development (TDD), UML

Languages

English (Advanced), German (Native)