

# Patrick J. Benson

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## ROLES & SKILL SET

Senior Full-stack Developer (INDEPENDENT CONTRACTOR)

### SKILL SET

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- Frontend Development
  - HTML5, CSS3, SCSS, LESS, TailwindCSS
  - Javascript, Javascript ES6, Typescript
  - JQuery, Bootstrap
  - React.js, React Hooks, Next.js, Redux, Gatsby, Axios, Hasura
  - Angular.js
  - Material-UI, AntDesign, React Bootstrap, DaisyUI, ChakraUI
  - Vue2, Vue3, Vuex, Vuetify, Nuxt.js
  - Svelte.js, SvelteKit
  - Jest, React Testing Library, Cypress, Mocha
  - OAuth2, JWT, Auth0, AWS Cognito
  - Figma, Adobe XD, Invision, Zeplin
- Backend Development
  - Java, Java Spring, Spring Boot
  - Node.js, Express.js, Nest.js
  - Ruby on Rails
  - Python, Django, Flask, FastAPI, SQLAlchemy, PySpacy
  - AWS, AWS API Gateway, AWS Lambda, AWS CloudFormation, AWS SAM CLI, AWS Amplify, Serverless
  - Stripe, SendGrid Integrations
- Database
  - PostgreSQL, MySQL, MySQL query
  - AWS RDS, AWS Data API, AWS DynamoDB
  - Google FireStore

- Blockchain Development
  - Smart contract, DeFi, DEX, NFT, Staking, Yield Farming
  - Solidity, Web3.js, Ethers.js, OpenZeppelin
  - SPL, Solana/Web3, Anchor
  - Uniswap, PancakeSwap
  - ERC-20/ERC-721/ERC-1155, BEP-20/BEP-721/BEP-1155
  - Truffle, Hardhat, Phantom, Metamask, Binance Wallet
  - Ethereum, Polygon, Solana
- Agile Development
  - SCRUM, Kanban
  - GIT, GitLab, BitBucket
  - Trello, JIRA, YouTrack, Asana, Pivotal Tracker
  - Discord, Slack, Microsoft Teams

## WORK EXPERIENCE

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### **Full-stack Developer, Agile Thought, Inc., Dallas, TX**

**Dec, 2022 – Sep 2023**

- Developed NFT based Game
  - Artwork/metadata generation using HashLips and Javascript canvas API
  - ERC721 development/deployment
  - Deploying candy machines for the Solana network
  - Integrating minting contract with the frontend using web3.js/Anchor
  - Building landing/minting pages
- Built NFT marketplaces on both Ethereum and Solana networks
- Worked on the backend development using Node.js, Express.js and Nest.js
- Used Python, FastAPI and SQLAlchemy also to build the backend APIs
- Worked on the frontend development using React.js, Vue.js, Tailwindcss, SASS, MaterialUI, DaisyUI, Ant Design, and ChakraUI
- Created various scripts for metadata and artworks manipulation using Python
- With the fast development of landing/minting pages and NFT contracts and deployment and hosting of the platforms onto the cloud, could bring the platforms into the booming NFT market in a short time and bring the good sales to distributors
- Implemented staking/breeding/airdrop with ERC20 tokens and SPL tokens as rewards

### **Full-stack Developer, PABAU, Dubai**

**Jun, 2021 – Nov 2022**

- Developed SaaS app that automates B2B customer onboarding and KYC process.
- Used AWS Serverless architecture (AWS Gateway & AWS Lambda) for the backend API development and built the Lambda functions using Python & Node
- Integrated PySpacy, NumPy & Pandas for NLP and other advanced features
- Used AWS SAM template and CLI to provision the architecture and deploy it
- With the help of AWS SAM, could deploy the system onto any AWS accounts in a matter of hours

*Patrick J. Benson*

- Ensured the smooth performance by building the platform as event driven with the help of AWS SNS and SQS
- Used PostgreSQL and DynamoDB as the database
- Developed the frontend using React & MaterialUI & GraphQL & Axios

#### **Backend Developer, Uniclix, Copenhagen**

**Nov, 2019 – Jun 2021**

- Developed an integrated social network platform
- Built integrated dashboard for the different social networks
- Enabled switching of multiple social accounts
- Boosted the sales by 20% by developing a scheduled post feature that posts content onto different social platforms regularly
- Upgraded the legacy website into the modern web app using MERN stack
- Integrated third-party APIs including Facebook, Twitter, LinkedIn, and Instagram

#### **Full-stack Developer, Pusher Ltd,**

**Nov, 2017 – Oct, 2019**

- Developed a customer engagement app
- Improved performance in terms of error-free and speed
- Updated the user interface and added many more features
- Increased the number of active users by 15%
- Used Angular.js for frontend development
- Used Java Spring Framework / Spring Boot as the backend framework

## **EDUCATION**

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**School of Computer Science & Informatics  
Cardiff University**

**2013 ~ 2017**

**Bachelor's in Computer Science, G404**

**Sep, 2013**

## **LANGUAGES**

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**English (Native)**

**German (Basic)**

**Mandarin (Professional)**

## **SUMMARY**

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**Experienced full stack developer with a strong focus on user experience. Skilled in web3 development and integrating backend systems with indexing protocols and third-party APIs such as Moralis API, The Graph, QuickNode and Geyser for enhanced performance. Passionate about building experiences in web3, metaverse and NFT.**

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