

# Parth Raj Bisht

## Senior Full-Stack Engineer

### SUMMARY

- Software engineer with 5+ years specializing in full-stack Web3 applications, DeFi protocols, and scalable cloud infrastructure.
- Expertise in React, Node.js, TypeScript, Ethers.js, and AWS, demonstrated by architecting NFT marketplaces supporting ERC-721/1155 standards and integrating complex DeFi functionalities.
- Proficient in CI/CD pipeline development using AWS CodePipeline.
- Strong background in computer science with a Bachelor of Computer Application degree and hands-on experience in testing frameworks like Jest and React Testing Library to ensure code reliability.
- Skilled in Atomic Design architecture, RESTful API development, and cloud deployment, and user-centric blockchain applications.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	JavaScript (5 yr.), RESTful API (5 yr.), AWS Amplify (5 yr.), React (5 yr.), Next (5 yr.)
<b>Programming Languages</b>	JavaScript (5 yr.), Python, Solidity
<b>JavaScript Frameworks</b>	Express, Ext JS, React (5 yr.)
<b>AI &amp; Machine Learning</b>	Keras, OpenCV
<b>Python Libraries and Tools</b>	Keras
<b>JavaScript Libraries and Tools</b>	mui, React Query, Redux-Saga, Styled components, Vite, Web3.js, Webpack, Zustand
<b>Databases &amp; Management Systems / ORM</b>	MongoDB, PostgreSQL, Redis, SQL
<b>UI Frameworks, Libraries, and Browsers</b>	Ant Design, CSS3, HTML5, Storybook, Styled components, Tailwind CSS
<b>Cloud Platforms, Services &amp; Computing</b>	Azure, Vercel
<b>Amazon Web Services</b>	AWS Amplify (5 yr.), AWS CloudWatch, AWS CodeDeploy, AWS CodePipeline, AWS EC2, AWS Lambda, AWS S3
<b>Deployment, CI/CD &amp; Administration</b>	CI/CD
<b>QA, Test Automation, Security</b>	Cypress, Jest, Mocha, Postman, React Testing Library

<b>Blockchain and Decentralized Software</b>	DeFi, Hardhat, MetaMask, WalletConnect
<b>Virtualization, Containers and Orchestration</b>	Docker
<b>UI/UX/Wireframing</b>	Figma, Responsive Design
<b>Version Control</b>	Git, Github Actions
<b>SDK / API and Integrations</b>	GraphQL, OAuth, RESTful API (5 yr.)
<b>Collaboration, Task &amp; Issue Tracking</b>	Jira, Notion, Slack
<b>Third Party Tools / IDEs / SDK / Services</b>	Microsoft Visual Studio Code
<b>Web/App Servers, Middleware</b>	Nginx
<b>Mail / Network Protocols / Data transfer</b>	WebSockets
<b>Other Technical Skills</b>	InterPlanetary File System, Npm/yarn, WAGMI

## WORK EXPERIENCE

### Software Engineer - Polytrade (Riqueza Capital Advisory Service) (NFT Marketplace and DeFi Protocol Integration)

**Duration:** 07/2022 - Present

**Summary:**

- Developed a full-featured NFT Marketplace supporting minting, wrapping, ownership transfer, and royalty distribution across ERC-721 and ERC-1155 standards
- Integrated DeFi protocols including lending, staking, and liquidity pooling with React frontends, enabling seamless user interaction with smart contracts
- Designed reusable component libraries and built CI/CD pipelines for efficient deployment on AWS infrastructure

**Responsibilities:**

- Architected and developed end-to-end smart contract integration for NFT Marketplace.
- Integrated DeFi protocols with React frontends using Ethers.js and Wagmi.
- Designed reusable component library following Atomic Design architecture.
- Built CI/CD pipelines using AWS CodePipeline and CodeDeploy for zero-downtime releases.
- Implemented unit and integration tests using Jest and React Testing Library.

**Technologies:** React, Node.js, TypeScript, Ethers.js, Wagmi, Solidity, AWS (EC2, S3, Amplify, CodePipeline, CodeDeploy), Jest, React Testing Library, MongoDB



## **Application Engineer - Exuber Software Solution Pvt. Ltd (High-Performance React Interfaces and RESTful API Development)**

**Duration:** 06/2021 - 07/2022

### **Summary:**

- Developed high-performance, responsive React interfaces with sub-2-second load times validated by Lighthouse audits
- Built RESTful APIs using Node.js and MongoDB, integrating third-party services to automate workflows and reduce manual operational tasks
- Collaborated on UI/UX refinements to improve user engagement

### **Responsibilities:**

- Developed responsive React interfaces with performance optimization.
- Built RESTful APIs and integrated third-party services.
- Collaborated with designers and stakeholders on UI/UX improvements.

**Technologies:** React, Node.js, MongoDB, REST APIs, Lighthouse

## **AI / Data Science Intern - Ismile Technology, LLC (Facial Pain Detection Model)**

**Duration:** 12/2020 - 03/2021

### **Summary:**

- Built a facial pain detection model using Keras and OpenCV achieving 89% classification accuracy
- Deployed the model to Microsoft Azure for real-time inference accessible via a REST API endpoint

### **Responsibilities:**

- Developed machine learning model for facial pain detection.
- Deployed model on Microsoft Azure for real-time inference.

**Technologies:** Keras, OpenCV, Microsoft Azure, REST API

## **EDUCATION**

### **• Bachelor of Computer Application (BCA)**

Amity University  
2018 - 2021

