# Pankaj Ahakey
# Junior Software Developer

## SUMMARY


- Proficient in backend development using Node.js, Express.js, and TypeScript, with hands-on experience designing scalable microservices and multi-VM architectures, including Nginx reverse proxy implementations.
- Skilled in cloud infrastructure management across AWS, Azure, and DigitalOcean, optimizing resources, alongside CI/CD pipeline automation using GitHub Actions and Azure DevOps.
- Strong expertise in databases (MongoDB, MySQL, PostgreSQL), frontend frameworks (React.js, Angular), and software development best practices, including feature-based Git workflows, system design, and secure file handling with MongoDB GridFS.


## TECHNICAL SKILLS

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| **Main Technical Skills** | Node.js (1 yr.), Express (1 yr.), TypeScript (1 yr.), React (1 yr.), JavaScript |
| **Programming Languages** | JavaScript, TypeScript (1 yr.) |
| **JavaScript Frameworks** | Express (1 yr.), Node.js (1 yr.), React (1 yr.) |
| **Databases & Management Systems / ORM** | AWS DynamoDB, MongoDB (1 yr.), MySQL, PostgreSQL, Redis |
| **UI Frameworks, Libraries, and Browsers** | Socket.io |
| **Cloud Platforms, Services & Computing** | AWS (1 yr.), Azure (1 yr.), DigitalOcean (1 yr.), Zapier |
| **Amazon Web Services** | AWS CloudWatch, AWS DynamoDB, AWS SNS, AWS SQS |
| **Azure Cloud Services** | Azure DevOps |
| **Virtualization, Containers and Orchestration** | Docker, Kubernetes |
| **Version Control** | Git (1 yr.), Github Actions |
| **SDK / API and Integrations** | GraphQL, RESTful API (1 yr.), Stripe |
| **Message/Queue/Task Brokers** | Kafka, RabbitMQ |
| **Methodologies, Paradigms and Patterns** | microservices architecture |
| | Nginx (1 yr.) |

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| **Web/App Servers, Middleware** | |
| **Platforms** | Odoo, QuickBooks |
| **QA, Test Automation, Security** | Postman |
| **Mail / Network Protocols / Data transfer** | WebSockets |

## WORK EXPERIENCE

### Software Developer - Irish Taylor (Backend Services and Business Workflow Automation)

**Duration:** July 2023 - present
**Summary:**

- Development of scalable backend services and automation of business workflows for Irish Taylor, a company likely involved in providing business solutions
- The project includes improving API performance, implementing multi-VM architecture, and integrating various third-party APIs to automate operations

**Responsibilities:**

- Designed and developed scalable backend services using Node.js, Express.js, and TypeScript.
- Designed a multi-VM architecture with Nginx reverse-proxy to reduce latency and improve security.
- Integrated Stripe, QuickBooks, Zapier, FedEx APIs to automate business workflows.
- Implemented CI/CD pipelines using GitHub Actions and Azure DevOps.
- Managed cloud infrastructure across AWS, Azure, and DigitalOcean.
- Built a secure file-handling system using MongoDB GridFS.
- Collaborated with frontend, QA, and DevOps teams for integration and stability.
- Customized and optimized Odoo ERP modules to automate business operations.

**Technologies:** Node.js, Express.js, TypeScript, Nginx, Stripe API, QuickBooks API, Zapier API, FedEx API, GitHub Actions, Azure DevOps, AWS (Lambda, EC2, S3, API Gateway), Azure, DigitalOcean, MongoDB GridFS, Odoo ERP

### Full Stack Developer - GetBit.Money (Cryptocurrency Market Data Platform)

**Duration:** July 2022 - October 2022
**Summary:**

- Development of backend modules and responsive frontend components for GetBit
- Money, a platform providing Bitcoin market data with real-time updates
- The project involved API integration for cryptocurrency data and enhancing user experience on web and mobile

**Responsibilities:**

- Developed backend modules and APIs using Node.js and Express.js for Bitcoin market data retrieval.
- Integrated external cryptocurrency APIs and optimized API response performance.

- Built responsive UI components using React.js.
- Collaborated using Git with feature-based workflows and code reviews.

**Technologies:** Node.js, Express.js, React.js, Cryptocurrency APIs, Git

### Developer (Chat-App)

**Summary:**

- Development of a full-stack real-time chat application featuring instant messaging, user authentication, and real-time chat rooms
- The app secures user data with MongoDB encryption and supports sending invites

**Responsibilities:**

- Developed real-time chat functionality using Socket.io.
- Secured user data with MongoDB encryption.
- Implemented features such as sending invites, real-time chat rooms, and user authentication.

**Technologies:** Socket.io, MongoDB

### Developer (Pakia Shop)

**Summary:**

- Engineered a React
- js-based e-commerce platform with MongoDB-Atlas database
- The platform includes a diverse product catalog, Stripe payment gateway integration, add-to-cart functionality, order tracking, automated email notifications, admin routes, user authentication, and profile management

**Responsibilities:**

- Developed e-commerce platform frontend using React.js.
- Implemented backend with MongoDB-Atlas database.
- Integrated Stripe payment gateway.
- Implemented add-to-cart, order tracking, and automated email notifications.
- Developed admin routes, user authentication, and profile management.

**Technologies:** React.js, MongoDB-Atlas, Stripe API

## EDUCATION

- **IIITM Gwalior, MP, India**
  Integrated Dual Degree (B.tech and M.tech)
  2018 - 2023