

# Hassan Khan

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## PROFESSIONAL SUMMARY

Full Stack Engineer with 3+ years of experience designing and developing scalable, high impact applications using Python, Node.js, SQL/NoSQL, and cloud-native architectures. Proven expertise in REST/SOAP API development, containerized deployments and distributed data processing. Hands-on with Generative AI (GenAI), and IoT-driven solutions for realtime data workflows. Adapt at collaborating with global teams to deliver production-ready software. Familiar with GoLang for backend microservices development.

## EDUCATION

### Masai School

Full Stack Development

Bengaluru, India  
Sep 2022 – Jul 2023

### Maharishi Dayanand University

Bachelor of Computer Application

Rohtak, India  
Jul 2019 – Jul 2022

### DTEA Sr Secondary School

Intermediate

Delhi, India  
Mar 2017 – Mar 2019

## EXPERIENCE

### Full Stack Developer

#### CashInvoice | Noida

Oct 2024 - Present

- Developed and maintained scalable full-stack features for a **FinTech** web application using React.js, Node.js, and PostgreSQL/MongoDB, significantly improving performance and user experience.
- Implemented secure user authentication and authorization with role-based access control, tailored for banking and financial workflows, enhancing user data protection and access management.
- Integrated with various banking channels like **SWIFT** and financial institutions for secure data exchange and transaction processing.
- Implemented advanced features like e-signature and **DigiLocker** authentication, enabling secure identity verification.
- Built automated backend scripts to handle data processing, reporting, and routine operations efficiently.
- Delivered mission-critical functionality in a fast-paced environment, focusing on performance, security, and compliance.
- Optimized **algorithms** and **data structures** for improved application performance and resource utilization.

### Backend Developer

#### Metastic World | Noida

Jul 2024 – Oct 2024

- Designed and Led scalable backend development for UK-based Web 3 projects in **IOTs** space integrating Node.js and Express.js for server-side development with successful **API** Certification.
- Collaborated with cross-functional teams to translate requirements of PMS software into functional web applications, enhancing user experience.
- Optimized database interactions and queries for scalability and performance using MongoDB and achieved **40%** faster APIs response.
- Conducted extensive testing and debugging to ensure reliability and stability of web solutions with less than **2%** downtime.
- Integrated **SOAP** and **RESTful** APIs for seamless data exchange across distributed systems.
- Worked extensively with Property Management Systems (**PMS**) like SiteMinder and Cloud-beds, ensuring smooth third-party integration and with TT-Locks for successful PIN generation.
- Delivered multiple SaaS projects concurrently, maintaining high code quality and adherence to deadlines.
- Developed Kubernetes-based CI/CD pipelines, reducing deployment errors by **30%** and improving system uptime.

### Software Developer

#### CTGTI | Pune

Mar 2023 – Jul 2024

- Designed and built a scalable **ATS** platform using Node.js and Express, crafting APIs for job management, candidate tracking, and user roles serving **20K+** users.
- Optimized the backend for smooth scaling in response to application and user surges, ensuring consistent performance and stability.
- Architected and deployed robust **cron** jobs for scheduled automation and backend processes.
- Executed comprehensive data migration **scripts** ensuring seamless system transitions and data integrity and optimizing data retrieval speed by **45%**.
- Implemented meticulous environmental updates to support scalable and secure deployment pipelines.
- Configured and maintained advanced **ESLint** rules to ensure consistent and high-quality code standards.
- Integrated AI capabilities using **Python**, enhancing system intelligence, data processing, and decision-making features.
- Managed **AWS** infrastructure and proxy server deployments, achieving **99.5%** system availability.

### Consultant

#### Silaris | Delhi

Jan 2021 – Jan 2022

- Skilled in analyzing and handling customer requirements, which translated well into creating user-friendly interfaces and enhancing user experience in web applications.
- Gained experience in market research and strategy development, which is applicable in gathering and interpreting project requirements and **optimizing** development.
- Effectively delivered exceptional service by meeting targets, honed skills essential for maintaining and troubleshooting applications to ensure reliability.
- Demonstrated strong problem-solving abilities by meeting service targets, valuable in identifying and resolving issues during web application development.

## TECHNICAL SKILLS

**Languages:** Python, Node.js, JavaScript, GoLang, TypeScript, HTML5, CSS3, Express.js, C/C++, SQL (Postgres, MySQL), NoSQL (MongoDB, DynamoDB), Firebase, LLD

**Frameworks:** Django, React, Node.js, Flask, WordPress, Material-UI, FastAPI, Microservices Architecture, HLD, RESTful/SOAP APIs

**Dev Tools:** Git, Docker, Kubernetes, Grafana, RabbitMQ, AWS, CI/CD, Postman, Selenium, SonarQube, Github, Redis

**Libraries:** pandas, NumPy, Redux, Express.js, BeautifulSoup, Camunda, BPMN, Fast APIs, GIN, Air