CHIRAG VAGHASIYA

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SUMMARY

Accomplished Software Engineer with over 5 years of expertise building scalable full-stack applications, cloud infrastructures, and AI-powered systems. Skilled in backend development and blockchain technologies (Web3, Solidity, Hyperledger Fabric). Passionate about continuous learning, with active specialization in machine learning, big data analytics, and data engineering solutions. Proven ability to collaborate cross-functionally within Agile frameworks and execute full SDLC processes.

TECHNICAL SKILLS

Programming: JavaScript, TypeScript, Python, PHP, Solidity, SQL, C, C++
Frontend: React.js, Next.js, Vue.js, Nuxt.js, Redux, GraphQL, jQuery
Backend: Node.js, Express.js, REST APIs, Laravel, CodeIgniter
Blockchain: Web3.js, Solidity, Hyperledger Fabric, Firefly, Besu
Databases: MySQL, MongoDB, PostgreSQL, Firestore
Cloud/DevOps: AWS, GCP, Firebase, Docker, Kubernetes, NGINX, Kafka, CI/CD (GitHub Actions, BitBucket, Jenkins)
Other Tools: Git, Jira, Confluence, Postman, Linux
AI/ML & Data: Pandas, NumPy, SciPy, Matplotlb, scikit-learn, Hadoop, Spark, Tableau, Power BI, OpenAI, Hugging Face

EDUCATION

George Brown College   Jan 2025 – Sep 2025
Postgraduate Certificate in Applied AI Solution Development   *Toronto, Canada*
  – Relevant Coursework: Machine Learning, Deep Learning, Big Data, Data Visualization, AI Ethics.

York University   Jan 2024 – Sep 2024
Postgraduate Certificate in Back-End and Blockchain Development   *Toronto, Canada*
  – Focus Areas: Hyperledger Blockchain Development, Solidity Smart Contracts, Backend APIs (Node.js).

Veer Narmad South Gujarat University   May 2016 – Apr 2019
Bachelor of Computer Applications (BCA)   *Surat, India*

PROFESSIONAL EXPERIENCE

Full-Stack Software engineer   Jul 2021 – Jan 2025
KBP Holdings   *Remote (Cape Town, South Africa)*

ClientManager.io (SaaS platform for client and project management)

  – Developed a full-featured SaaS platform enabling real-time task tracking, invoicing, and contract proposals, using React, Node.js, and MongoDB, deployed via AWS CI/CD pipelines.
  – Led all phases of SDLC, from requirement gathering, design, development, testing to production deployment for a platform serving 45,000+ users.
  – Collaborated with product managers, designers, and QA engineers within Agile sprints to deliver scalable and reliable feature enhancements.
  – Integrated third-party payment providers (Stripe, Lemonsqueezy) and partnered with AppSumo for distribution, resulting in a 30% increase in user acquisition rates.
  – Engineered and launched a dynamic white-labeling system, increasing client retention rates by 35% through brand customization capabilities.

SoftwareSubscriptions.com (SaaS platform for subscription management)

  – Built and maintained a SaaS platform and Chrome Extension to manage and track business software subscriptions with real-time analytics.
  – Integrated secure user authentication, recurring reminders, and subscription intelligence, utilizing Next.js server-side APIs and a MongoDB backend, deployed on AWS Amplify.
  – Optimized backend API endpoints and query performances, reducing server response times by 25% to improve system scalability and reliability.

Full-Stack Software engineer
Micra Solution

Nov 2020 – Jul 2021
Surat, India

- Designed and delivered healthcare and analytics platforms with Node.js, Vue.js, and React.js while adhering to Agile SDLC practices.
- Reduced backend API latency by 40% by refactoring server logic and implementing caching strategies.
- Worked collaboratively across engineering, QA, and product teams to deliver MVP features aligned with client needs.

Junior Full-Stack Developer
GlobaliaSoft LLP

Apr 2019 – Nov 2020
Surat, India

- Developed and deployed scalable e-commerce platforms and real-time web applications using Laravel, React.js, Node.js, and MongoDB, supporting high-traffic user interactions.
- Adapted quickly to diverse project requirements and tech stacks, demonstrating a strong learning curve across multiple tools, languages, and frameworks.
- Contributed to Agile ceremonies including sprint planning and retrospectives, resulting in shorter development cycles and faster feature delivery.

PROJECTS

Gilbert Hotels
- Designed and implemented a custom real-time hotel booking engine synchronized with Airbnb and Hotels.com APIs. Enabled automatic reservation blocking across platforms. Developed with Next.js, Firebase Firestore, Firebase Functions, and Stripe integration.

Yukkurina AI
- Developed Yukkurina AI, a video object detection and transformation solution utilizing Meta's SAM2 model. Enabled automated blurring and effects on targeted objects within video frames, enhancing video privacy and creative editing capabilities.

Canadian Sheep Federation - Blockchain Supply Chain (PoC)
- Collaborated with Canadian Sheep Federation to build a blockchain-based livestock traceability system using Hyperledger Fabric. Designed Smart Contracts to log lifecycle events from sheep birth to restaurant serving. Integrated IPFS for secure veterinary record storage and IoT simulators for transportation tracking. Project supervised by Corlena Patterson (Executive Director, Canadian Sheep Federation).

Flight Delay Insights - Big Data Project
- Analyzed 900MB+ airline delay dataset from Kaggle using Hadoop and Hive clusters on Azure VMs. Performed data cleaning with MongoDB/PyMongo, built ETL pipelines via SSIS, loaded into SQL Server, and created insightful dashboards with Power BI to identify delay causes and seasonal trends.

Flight Anomaly Detection - Data Visualization Project
- Extended the Big Data project with a Business Intelligence layer: performed anomaly detection for flight delays, root cause analysis, and recommended operational improvements using Power BI Storyboards and advanced analytics visualization techniques.

LEADERSHIP EXPERIENCE

Mentor
GlobaliaSoft LLP

Aug 2020 – Nov 2020
Surat, India

- Mentored and trained two junior developers in JavaScript, React.js, Node.js, backend API concepts, and Git workflows.
- Introduced Agile methodologies, version control practices, and deployment processes to accelerate their professional development.

REFERENCES

- Recommendation Letter: Canadian Sheep Federation - provided by Corlena Patterson (Executive Director).
- Video Testimonials:
- Kyle Prinsloo (Founder of ClientManager.io) Testimonial Video
- Colby Gilbert(Founder of firmware.ai) Testimonial Video