

PRATIK MOTA

Software Engineer / Technical Lead

Professional Summary

- Having **12+ years** of software development experience in different skills like Golang, C++, REST API, Kubernetes, Terraform, Docker, SQL, and Cloud (AWS, GCP).
- Experience in GUI Software, Embedded, and Backend REST API
- **Certified Scrum Master** and Working experience in an agile environment using the Scrum framework.
- Knowledge of Multithreading, Design Patterns, Data Structure, and Algorithms concepts.
- **Good team player** and **ready to accept new challenges** and learn new skills.
- Received "Best Performer" award for creating Next-Gen tool prototype and UI/UX.
- [Opensource contribution](#)– KubeBuilder, Civo Terraform, CivoGo, Hugo Docs etc.

Professional Experience

Company	From	To	Designation	Domain
ThinkBoxAI	Oct 2024	Till	Developer & Founder	AI
Money Forward - Japan	Feb 2024	Oct 2024	Software Engineer	Finance
Xoriant (Hitachi Vantara Client)	May 2022	May 2023	Technical Lead	Storage
Knorr-Bremse	Oct 2015	Apr 2022	Technical Specialist	Automotive
Cognizant (Credit Suisse Client)	May 2014	Oct 2015	Associate Engineer	Finance
iGATE Global Solution Ltd	Dec 2012	Nov 2013	Sr. Software Engineer	Medical
VCM Partners Pvt Ltd	Jul 2010	Dec 2012	Software Engineer	Finance

Technical Skills

Programming and Technology	Backend: Golang, C++, REST API, Kubernetes, Terraform, Docker, gRPC, Rust, Operator-SDK, Terraform Provider SDK, Microservices, Helm Cloud: AWS, GCP Desktop: C/C++/C++ 11, VC++, MFC, COM, Win32, VCL, Delphi, C# Embedded: C++ PEG (Portable Embedded GUI) Frontend: Typescript, React, Nextjs
Database	PostgreSQL, SQL Server, Sybase, DynamoDB
IDE	VS Code, Visual Studio 2017, RAD Studio, Embedded Keil
Operating System	Windows, Linux, Unix (Solaris)
Hardware	Vector CAN, RP1210 adapters, ULINK JTAG Debugger
Tools	JIRA, CI/CD Jenkins, CircleCI, Datadog, git, PTC, Vector CANalyzer tool for UDS CAN protocols, UML, Balsamiq UI/UX, Putty, Figma

Certifications



Certificate	Issue Date	Credential URL
Professional Scrum Master	Jan 2020	https://www.scrum.org/user/606450
AWS Certified Cloud Practitioner	May 2023	https://www.credly.com/badges/e0ff4463-37c7-4317-8e66-c831c213c229
GCP – Associate Cloud Engineer	Mar 2020	https://www.credential.net/279ce435-f98b-4d78-8eb4-aec758026bcc
Golang Programming	Feb 2020	https://www.udemy.com/certificate/UC-571f490d-bcee-4f33-9df3-6e3911bd4e60/
Kubernetes Certified Application Developer (CKAD) with Tests	Dec 2020	https://www.udemy.com/certificate/UC-c2ba9749-fd0e-419e-85b5-8a17095ae5be/

Work Experience

ThinkBoxAI

Oct 2024 – Till

Personal Project (Developer & Founder)

Tokyo, Japan

- Created from scratch AI Client desktop application from idea to implementation. Executed full Software development life cycle by leading designer and engineers.
 - Developed all business logic and License server from scratch in Golang, Wails framework and AWS.
 - Technical stack: Golang, SQLite, Wails, React, NextJS, AWS (App Runner, SES, Amplify, PostgreSQL)
 - Website: <https://www.thinkboxai.com/>
 - Product Demo Video: <https://youtu.be/ga1oJocAyGM>
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Money Forward Inc

Feb 2024 – Oct 2024

Software Engineer

Tokyo, Japan

- Contributed to the development of MikatanoID and BizBilling projects for Money Forward X, focusing on banking and finance software.
 - Handled full-stack development, maintenance, production support, release management, DevOps, and Site Reliability Engineering (SRE) tasks, with a primary focus on Golang and microservices.
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- Technical stack was in Golang, Serverless architecture, GraphQL, AWS services, Kubernetes, Terraform, Typescript, React, and Next.js.
- Made key modifications in Datadog for monitoring and observability by creating dashboards.

Xoriant Solutions Pvt Ltd

May 2022 – May 2023

Technical Lead

Pune, India

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- Worked on two projects, Terraform Provider and Kubernetes Custom Resource for **Hitachi Vantara** client.
 - From scratch design and architecture of **Terraform Provider** for Hitachi storage
 - Created Hitachi Storage **REST APIs** for Terraform Provider
 - Created vRealize Log Insight(vRLI) **Kubernetes Custom Resource** using **OperatorSDK**
 - Created Storage REST APIs for Hitachi Cloud Products
 - Resolving existing bugs of microservices and Helm Installation
 - Mentoring team members and Code Review

Knorr-Bremse

Oct 2015 – Apr 2022

Technical Specialist

Pune, India

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- Worked on five projects, NEO User Management and Analytics, NEO Diagnostic tool, DiagFlash, Next-Gen Diagnostic Prototype, ACom Diagnostic
 - Delivered our products to different clients from the USA and Europe like Bendix, BOSCH, Noregon Systems, ATC Automation, and ADG Automation etc.
 - Creating **REST API** and integrating with the NEO Diagnostic tool
 - Content Editor tool creation which **reduces development time by 50%** in NEO Diagnostic
 - NEO Diagnostic tool requirement gathering, implementing new features, and maintenance of the product
 - **CI/CD Jenkins** setup and maintenance for nightly build
 - DiagFlash product development and maintenance which flash ECUs in the production line
 - **Recovered 500+** hardware ECUs using software solutions and **saved a lot of cost** of hardware
 - Created Next-Gen Diagnostic tool prototype which can run on desktop, mobile, and cloud. Designed creative UI/UX for a diagnostic tool
 - ACom Diagnostic tool new features development and maintenance of the product
 - **Performance improvement (50%)** for TPMS ECU detection
 - Mentoring and helping new joining team members, code review, and helping as scrum master when needed.

Cognizant

May 2014 – Oct 2015

Associate Software Engineer**Pune, India**

- Worked on two projects, ICE Instrument feed development and Session Manager
- Worked with **Credit Suisse Bank** to develop and maintain the trading system
- Created backend service for ICE Exchange to download financial information using FIX protocol
- Creating new features and maintenance for Session Manager using FIX Protocol.

iGATE Global Solution Ltd**Dec 2012 – Nov 2013****Senior Software Engineer****Pune, India**

- Worked on two projects, VISMO Monitoring Device and MRI Scanning
- Worked with different clients from **Japan** like **TOSHIBA Medical** and **NKC (NIHON KOHDEN CORPORATION)**
- Created from scratch custom GUI Touchscreen control for embedded medical device
- Integration of GUI touchscreen control with hardware and bug fixes
- Maintenance and analysis for MRI Acqman module

VCM Partners Pvt Ltd**July 2010 – Dec 2012****Software Engineer****Gujarat, India**

- Worked on two projects, Weather Trading System and VCM Trade Manager
- Weather Trading System requirement gathering, creation, and maintenance
- Created Auction Allocation Trading Algorithm
- Created a Weekly Trading System feature
- Trade Manager enhancement and maintenance to send trading reports to customers

Engineering Final Year Project**Jan 2010 – Jun 2010****Internship****Gujarat, India**

- Created Remote PC Monitoring software as my internship project
- Created Client/Server application using Socket Programming
- It manages remote computers remotely on the LAN

Education Qualification

- **Bachelor of Computer Engineering – 2010**
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Gujarat University, Charotar Institute of Technology - India

- **H.S.C – 2006**
Gujarat Higher Secondary Board - India
- **S.S.C – 2004**
Gujarat Secondary Board - India