

BABAK ZARRINBAL

Hands-on Team lead / Developer/ Dev-ops / Solution Architect

10+ years experienced.

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ABOUT ME

LinkedIn:

<https://linkedin.com/in/babak-zarrinbal/>

NPM:

<https://npmjs.com/~babak.zarrinbal>

GitHub:

<https://github.com/babakzarrinbal>

GitLab:

<https://gitlab.com/bzarrinbal>

Experience: Leadership/Mentoring 8+ years, Devops 5 years, Development 10+ years

Titles: Teamlead / Lead developer / dev-ops Lead / Solution Architect / Technical Mng

Responsibilities: Design / Architecture / Implementations / Team building / Mentoring

Domains: Telecom / Fintech / Commercials / Startups / Insurance / security

Personality: self-Growing / Team Worker / Energetic / efficient / to the point

Quotes: Truth is Knowledge, Work is life, Growth comes from within self,

Team sent man to moon

TECHNOLOGIES

SERVICES

- LLM : Llama, LLava with text and visual , Mistral 7B, and Openai API
- **TTS (text to speech):** Coqui TTS with customized audio
- **STT (speech to text):** whisper finetuned and customized for accuracy and efficiency
- **Nvidia James for visual simulations**

Architecture

- **Cloud Infrastructure:** Expertise in Terraform, Kubernetes, Docker, and Rancher for scalable, secure, and high-performance solutions.
- **CI/CD Tools:** Jenkins, GitHub Actions, Gitlab flows, CircleCI for automation.

Cloud Platforms

- **AWS** (6 years): EKS, ECR, EC2, IAM, Lambda, S3, DynamoDB, VPC, Fargate, API Gateway, SAM, CDK
- **Oracle** (3 years): Proficiency in OCI and Oracle DB.
- **Azure** (2 years): Experience with Azure VMs, Functions, and DevOps
- **Google Cloud** (1 year): Familiarity with GKE and Cloud Functions

Platforms

- Cloud Services, Linux Containerized Applications
- Web Applications, Electron, React Native
- Chrome Extensions, VS Code Extensions

Languages

- **JavaScript:** (12 years), **TypeScript:** (6 years)
- Raw JavaScript/TypeScript, Node.js, NestJS, Next.js, GraphQL, React.js, Vue.js, Nuxt.js, Svelte, Express.js, Fastify.js, Socket.IO, AngularJS & Angular 12, CLI Scripts
- **AI:** (3 years) LLM Deployment, Fine-tuning, RAG, Transformers
- **Bash:** (5 years) Extensive Bash Automation Experience
- **Python:** (4 years) Django, Flask, FastAPI
- **Java:** (2 years) Spring Boot, JRE, JUnit, Maven, Hibernate
- **Golang:** (1 year) Gin
- **PHP:** (4 years) Laravel, Drupal, WordPress, Joomla

Databases

- Oracle DB, MongoDB, Cassandra DB, MySQL, MariaDB, PostgreSQL, SQLite, SQL Server

Message Brokers / Cache

- RabbitMQ, Kafka, SNS, SQS, Redis, Memcached


Monitoring Tools

- Datadog, AWS X-Ray, CloudWatch, Grafana, Kibana
- GitHub Reporting, Jira, Kanban Boards, Teams


Speaking Languages:

- English (Fluent) has been working with international teams since 2008.
- Persian (Native), my mother tongue
- German (A2), in process of learning


Most Recent Career Highlights

 **Since July 2024:** Living AI dream: I'm currently a Hands on Teamlead of development/devops teams in Managbl.ai which we do pioneer works on the way humans interact with ai for doing specified tasks (AI agents)


- Task definitions / project architecture design / development / deployment / data gathering and monitoring
- Hands on development and deployments of services and orchestration and monitoring tools
- Cloud native implementation and monitoring
- Leading and mentoring developers and devops resources
- Performance evaluation, recruiting talents and improving skills

 **2022 - 2024:** Fueling Innovation at Retraced: I'm currently spearheading teams at Retraced, an international trailblazer in tracing and sustainability. As a Team Lead, I'm driving groundbreaking solutions that impact global processes. From Node.js services to Oracle databases, I orchestrate diverse technologies to achieve remarkable results.

- Service Proposal / team assembly / architecture design / development / deployment / technical bridge
- Team leading through feature development or maintaining epics
- Hands-on bug fixing, app developing, designing
- Product meeting to understand needs and strategy going forward
- Performance evaluation, recruiting talents

 **2016 - 2022** Tecnotree: Where Innovation Meets Telecom Navigating the intricate landscape of international telecommunications at Tecnotree, I spearheaded a 20-member strong team as a Technical Lead. In this Finnish software powerhouse, I not only pioneered the development of applications that underpin crucial telecom operations but also mentored and guided teams to resounding success. From orchestrating Node.js marvels to seamlessly managing Kubernetes, I ensured our services remained at the forefront of innovation.

- Technical mng. Responsibilities
 - progress report/ funding meetings / personal evaluation/ top level product strategies
 - Grooming product needs/ proposing solutions/ discussing implementation ideas
 - Leading 20+ developers into 5 rotating teams,
 - Performance management / recruitment process
 - Implementing flat hierarchy to increase innovation and performance
- As senior devops / full-stack developer in early days
 - Proposed and implemented over 5 full featured services for different parts of the eco system
 - Going through the whole ecosystem with different team to further improve the products
 - Assembled teams to perform tasks,
 - Bug fixing, test implementation, feature developments, architecture implementation
 - Deployment and monitoring the services through their lifetime

 From **2012** On Ecommerce, Geolocation, Education: My journey began in the dynamic realms of Ecommerce, Geolocation, and Education. In these diverse sectors, I crafted versatile solutions and pioneered novel approaches. My leadership style has empowered teams, driving excellence in performance, and fostering innovation.

EDUCATIONS AND SKILLS

- **University: B.A. of Industrial Eng.** from University of science and culture (Tehran, Iran)
- **Aws courses, hours of online trainings**
- **Project management courses for MBA**
- **financial management courses**
- **Project planning and control courses**

Work History

- **MANAGBL.AI: (since July 2024)**

As a hands-on **Team lead/Devops/developer** I Mentor and lead and work together with my teammates to introduce features or improve existing ones on our AI agents

technologies included:

- *Kubernetes / Docker / EKS*
- *LLM with RAG , STT with whisper, TTS with Coqui TTS*
- *Python/ bash / Nodejs services*
- *React front-end app*
- *Gitlab workflow / github actions, terraform with a log of bash scripts*
- *Graphana / Prometheus for monitoring*
- *Elasticsearch, Logstash, Kibana*
- *Aws : CLI, EKS, ECS, EC2, S3, Lambda, Dynamodb*
- *Mongodb, mysql*
- *Redis, RabbitMq*

- **Retraced: (Feb 2022- July 2024)**

As a hands-on **technical manager/team lead** I teach, guide, and work alongside my teammates to reach the goals of the platform which is vary.

technologies included:

- *NodeJS micro services*
- *React front-end app*
- *Circleci / github actions, terraform*
- *DataDog for production monitoring*
- *Aws : ECS, EC2, S3, EKS*
- *Oracle: OCI, ML, DB*
- *RabbitMQ*
- *Docker, Kubernetes, Github Actions*

- **Tecnotree: (Sep 2016-Feb 2022)**

As a **Technical Manager** I've managed 3 teams regarding development and maintenance of multiple (more then 70) services to ensure delivery of 3 main telecommunication projects in here I've managed, created, educated and guided new teams, and implemented the one man do it all approach on all the scenarios and proud to say I have guided almost 10+ people from junior seniority skills Technologies included:

- *Docker , Kubernetes, Rancher*
- *Nodejs, Python, Bash,*
- *Spring boot, Hadoop,*
- *Golang , GIN, raw docker*
- *Cassandra, mongo dB, MySQL,*
- *Kafka, RabbitMQ*
- *React, Vue, AngularJS.*
- *Ci/cd with Jenkins*
- *AWS, GOOGLE cloud services*

- **Diliviri/Eposense: (Sep 2015-Sep 2016)**

As **Team Lead and senior full stack** developer I developed and improved existing parts of the whole ecosystem of the Diliviri (app for deliver goods with hired/outsourced driver and vehicles). I added multiple apps as well as improvement in followings ...

- Changed monolithic Admin app to microservice architect (Efficiency +**400%**)
- Converted Driver & Supervisor Native apps for IOS, Android to PWA apps (Development costs -**60%**)
- Created complex Multi routing algorithms for concurrent deliveries with one driver (profit avg +**50%**)
- Kick started standalone routing (in map) and tile Api server for completely free of charge map view and routing (map costs -**100%**)
- Created CI/CD procedure to ensure code health and faster integration for testing and deployment (DevUp costs -**70%**)
- Creating/modifying and managing 6 apps under the whole product ...

- **Rahpooyan: (Mar 2013-Sep 2015)**

As **full stack** developer I developed and kickstarted and multiple products based on multiple customer needs and descriptions.

- Easybimeh.com (front-end) Improving system for example adding lazy loading and breaking services for better user experience (Efficiency +**40%**)
- Wow.kanoon.ir (full stack) create and deploy full featured learning app to teach/test and give certificate for English learning (Creating revenue)
- Visit24.ir (full stack) create and deploy 4 different parts whole startup to kickstart it and created the development team and mentored them to continue the work (Creating revenue)
- Review (full stack) creation and deployment of video clip audio extraction and translation plus online subtitle creation (Creating revenue)
- Choqok (full stack) creation and deployment of pdf modification and content adding system for teachers/ reviewers/ experts/ students (Creating revenue)
- Multiple Crawlers for extracting information from different sites and Api for creating datasets and using them in different projects. (Creating revenue)
- Apanajh (front-end) creating front end for Apanajh social media startup and create and mentor front-end team for them ... (Creating revenue)
- Multiple sites and application for various use cases

- **Freelance Jobs /ISIRAN: (2012 to 2013)**

A Lot of front-end / full-stack project that I've done in that period mainly done with php/Laravel MySQL and VueJs AngularJs and some with Drupal, and after a while I got hired in ISIRAN and this was my first full time development job

- **Atlas-Offshore, Knauf Iran: (2008 to 2013)**

I worked as project planner / controller in mostly gas and oil projects , sometimes as team managers and leaders I Developed a lot of features and mini apps to perform their tasks and automate them , at some point I developed a whole reporting system that decreased the cost of procedure and man/hour about 50%