

# BABAK ZARRINBAL

Full stack developer / Team lead / 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: 10+ years

Titles: Senior Full stack developer/ Team Lead / Solution Architect / Technical Mng

Responsibilities: Proposals / Architecture / Implementations / team building / Mentoring

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

Personality: self-Growing / Team Worker / Energetic / Work is life, it should be fun

Growth comes from within oneself, Truth is the drive for Knowledge,


Anything can be accomplished when people come together.

## EXPERIENCE AND EXPERTISE:


### TECHNOLOGIES

Architecture	Micro-service, Micro-Frontend, Terraform, CI/CD (Jenkins, GitHub Actions, CircleCI) , Kubernetes, Docker, Rancher, AWS (ECS, EC2, IAM, Lambda, S3, DynamoDB, EKS, Fargate, API gateway), Oracle (OCI, Db, AI, etc.) Azure (VM, Devops, Blob storage, etc.) Google cloud (Auth, drive API, map API, Document AI, Translation API, etc.)
Platforms	Linux Backend apps, Web Apps, Electron, React Native, chrome extensions, vocode extensions
Languages	JavaScript/TypeScript (my main and current stack), Python (fine tuning and using pretrained AI models) PHP (haven't worked with in a long time), JAVA (Debugged only)
Database	Oracle DB, Mongo dB, Cassandra DB, MySQL, MariaDB, PostgreSQL, SQLite, SQL Server
Message Brokers	RabbitMQ, Kafka, MQTT
Frameworks	NestJs, GraphQL, SailsJS, ExpressJS, FastifyJS, SocketIO, Gulp, Grunt, ReactJS, NextJS, VueJS, Angular, AngularJS, React Native, Webpack, Sass, Less, ElectronJS, Laravel, Drupal, Lots and Lots of side Frameworks...
Management Tools	Grafana, Kibana, GitHub Reporting, Jira, Kanban Boards, Teams, Excel, MS Projects, Grant graphs, and a lot of meeting with talented people


## MOST RECENT CAREER HIGHLIGHTS

 **Since Feb 2022:** 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 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

 **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)
- **Languages:**
  - **English** (Fluent) has been working with international teams since 2008.
  - **Persian** (Native), my mother tongue
  - **German** (A2), in process of learning
  - **Arabic** (basic understanding)
- Project management courses for MBA
- financial management courses
- Project planning and control courses

## Work History

- **Retraced: (since Feb 2022)**

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 services*
- *React front-end app*
- *Circleci / github actions, terraform*
- *Watchdog for production monitoring*
- *Aws : ECS, EC2, S3, EKS*
- *Oracle 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:

- *Nodejs*
- *Spring boot*
- *Cassandra, mongo dB, MySQL,*
- *Kafka, RabbitMQ*
- *Rancher, docker, Kubernetes*
- *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%