

Hossein Shahsahebi

Software Engineer | Backend

Solution-driven and passionate senior software engineer with more than 7 years of experience design, architect, develop, and deploying high-load server-side applications across different industries using modern tools and technologies.

✉ me@sein.sh

in @seinshah

@seinshah

📍 London, UK

Work Experiences

Lead Backend Engineer

02/2024 - present

Senior Backend Engineer

07/2021 - 01/2024

Tripod Technology GmbH - Tandem Language Exchange

Berlin, Germany | Remote, UK

- Providing support and guidance to the backend team including PR reviews, pair-programming, code quality improvements, appraisals, 1-1s, and conflict management.
- Developing containerized, fully testable, efficient, and well-documented micro and feature services for different purposes including business logic and system architecture.
- Designing and implementing APIs for client-server, server-client, and server-server communication using different API protocols (i.e HTTP, gRPC, WebSockets, MQTT, Nats, ...).
- Designing and implementing micro-services in Golang and PHP to migrate from monolith to micro and feature services.
- Modernizing infrastructure to have a proper development environment and CI/CD (GitlabCI, Azure DevOps) flow for smooth migration from monolith to micro-services and migrating from Azure to AWS.
- Maintaining and re-factoring existing monolith code-base in PHP to ensure smooth handling of millions of requests per day.

Backend Engineer

06/2020 - 07/2021

Deriv Sdn Bhd - f.k.a Binary Sdn Bhd

Cyberjaya, Malaysia

- Maintaining and extending an existing trading platform and ensuring a smooth interaction between the internal software and third-party trading platforms.
- Developing a well-documented and robust production-ready code using Perl, PHP, Postgres, and other technologies alongside refactoring and optimizing complex legacy code base.

Full-Stack Engineer

04/2018 - 02/2020

InstaCraft & QuickMedCards

Remote, U.S.

- Implementing and developing new software features, services, and APIs as well as maintaining and enhancing existing code base.
- Developing and Deploying testable and well-documented server-side and client-side application using technologies such as PHP, JS, NodeJS, React, MySQL, CI, and AWS.

Full-Stack Engineer

09/2013 - 04/2018

Sattva

Tehran, Iran

- Developing country-wide digital advertising network with millions of requests per day from architecture design to implementation of client, backend, and on-premise servers.

Education

Master of Data Science and Business Analytics

11/2018 - 03/2020

Asia Pacific University

Kuala Lumpur, Malaysia

- Implementing various ML algorithm using R, Python, and SAS for clustering, classification, and predictive analysis.
- Using the same approach to develop a model for InstaCraft (work experience) to identify eligible users for coupon.
- Developing an NLP spell checker project in Python, Flask, and JS.
- Implementing a selection-based multi-tweet summary using different embedding algorithms.

B.Sc. in Computer Engineering - Software

09/2009 - 08/2013

The University of Birjand

Birjand, Iran

- Implementing various sample projects using C, C++, C#, PHP, and MySQL.

Certificates

Solution Architect - Associate

08/2021 - 08/2024

Amazon Web Services

Introduction to Statistical Concepts

03/2019

SAS

Programming Languages

Golang, PHP, Python, JavaScript

CloudNative & GitOps

AWS, Azure, Docker, Terraform, Gitlab CI, Bash, GCP, Github Actions, K8S, Helm, ArgoCD

Observability

Open-Telemetry, CloudWatch, Grafana, LogzIO, Prometheus, DataDog, NewRelic, Fluentd

Databases

Postgres, MySQL, MongoDB, Redis, DynamoDB, Manticore, Neptune

API

REST, gRPC, WebSocket, Webhook, EDA, MQTT, NATS, OpenAPI, Protocol Buffers

Project Management

Agile, Scrum, Kanban, Cross Functional, Jira, Confluence

Mentoring

Verbal and Written Communication

Collaboration

Critical Thinking

Resilient and Flexible

Adaptability

Problem Solving

Curiosity and Learning Commitment

Empathy