Vlad Kolbaia

Senior Software Engineer

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An engineer with 7 years of industry experience delivering digital solutions on the web, with most recent focus on front-end development and spatial computing.

Experience

Senior Software Engineer
Kitchener, Canada

ShipHero – Warehouse management and fulfillment SaaS.　　*June 2021 – Jan. 2023*

• Moderated code discussions and wiki to document and automate code conventions to improve DX.
• Extended and maintained code monorepo, helped design and implement 4 large E2E features.
• Interviewed 10 candidates for a senior role on the team, onboarded and mentored two hires.
• One of 3 lead maintainers with approve rights, required to merge contributions in a team of 9.

Senior Software Engineer
Kharkiv, Ukraine

Insart – Financial technology software solution.　　*June 2020 – June 2021*

• Developed functionality and implemented pixel-perfect designs in a distributed team of 12.
• Lead a project extending the legacy web solution with a modern framework and tooling.
• Interviewed more than 30 candidates over the course of the year with 3 successful hires.

Software Developer
Tel–Aviv, Israel

InceptionXR – Augmented reality book library for children　　*July 2018 – Jan. 2020*

• Was the first developer on the back-end team that grew to 8 contributors.
• Developed the front-end for an admin CMS that was used to manage the whole system E2E.
• Architected a set of backend microservices to support iOS and Android apps built in Unity.
• Led development and design of Google-funded 3D-asset marketplace for news organizations.

Education

M.S. in Computer Science
Kharkiv, Ukraine

Kharkiv National University of Radioelectronics　　*Sept. 2014 – Dec. 2019*
Thesis on ethical algorithms and runtime application optimization strategies.

Skills

Front-end	TypeScript, React, Next.js, Tailwind, Svelte, Unity C#
Back-end	Node.js, Express, Nest.js, REST, GraphQL, tRPC
Cloud	GCP, Vercel, Docker, GitHub Actions
Databases	MongoDB, Prisma, SQlite, Supabase
Management	Agile, JIRA, Notion, async communication, distributed team

Earlier experience

Software Developer
OnMap – Leading real-estate platform in Israel.

Rishon–LeTsiyon, Israel
May 2016 – June 2018

• As the first full-stack developer on the team reported directly to the CTO and was responsible for interviewing new candidates, team growth and supervision, onboarding and support.
• Responsible for app architecture, design, development, documentation and maintenance of a set of RESTful microservice APIs, as well as 2 front-end SPAs.
• Implemented i18n to 3 languages, including Hebrew that required left-to-right markup adaptation.
• Ensured code quality through reviews, unit and integration testing, TDD and clean code practices.

Junior Software Developer, R&D
ArtJoker – Chatbot for #1 bank in Ukraine.

Kharkiv, Ukraine
Dec. 2015 – April 2016

• Performed research and development in the topics of conversational UI and VR.
• As the only Node.js developer on the team, designed and developed a bot using Telegram API.
• Architected and developed geolocation, cron and localisations services for a unique feature set.
• Participated in 12 presale calls with potential customers and provided project estimations.

Awards

CSSBattle World Top 100
Nov. 2021

A website that challenges users to showcase their CSS skills.

First place at 1654 Hack, MIST IT Hackathon
May 2016

Two full-day hackathons in IoT and digital governance domains.

Future Leaders Exchange Program Alumnus
May 2013

Issued by the American Councils for successful completion of an exchange program.

Certificate of Outstanding Volunteer Service
Dec. 2012

Issued by the US Department of State for completing over 100 hours of volunteer service.