Roman Chvanikov

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I am an experienced software development engineer with over 15 years experience in web dev. My primary tools are Elixir (PETAL stack), Postgres, and Docker/Kubernetes. Still, I'm open to working with different stacks and technologies - the ability to learn things quickly is one of my top skills. In addition, I love to mentor and got significant leadership experience throughout my career. Areas I'm most experienced in are the following: fintech, adtech, social networks, dating platforms, and both online and offline games' backends.

Work Experience

VP of the Platform

07/2021 to 08/2022

v3dotcash | San Francisco, USA

- Built the core financial platform with Elixir/Pulumi/AWS. The platform allowed us to quickly launch and test MVPs in search of product/market fit;
- Improved the initial application design to achieve high availability on AWS with resilient multi-region active-active architecture;
- Mentored other engineers via code reviews, pair-programming sessions, and discussions on software and architecture design;
- Performed continuous reviews of projects and team work in order to enact proactive changes that maintained efficiency;
- Collaborated with stakeholders to determine application requirement specifications;
- Employed peer code review to better delegate error-checking duties and enhance debugging outcomes.

Staff Software Engineer

03/2019 to 04/2021

Pleroma | New York, USA

- Designed and implemented a front-end switching mechanism for the initially tightly-coupled full-stack codebase. This functionality allowed Pleroma to become frontend-agnostic;
- Designed and implemented attachments removal functionality in the federated system;
- Worked with stakeholders, developers, and users to collect requirements and implement them, as well as provide fast feedback on solving issues;
- Worked on the design and development of new features to meet users' expectations for functionality, scalability, and performance;
- Conducted regression testing and submitted observations to the development team.

Staff software engineer

09/2018 to 03/2019

SimplyCredit | San Francisco, USA

- Worked out several MVPs in various tech. stacks (we were experimenting to find the best fit): Elixir/Phoenix/LiveView, Go/Gin, ClojureScript/Reagent;
- Participated in testing multiple tech. stacks to find the best suiting to company needs;
- Worked on systems with massive financial data pipelines and many third-party integrations;
- Mentored frontend developer to help him understand basic Elixir and Phoenix templates so that he could fix small issues by himself without needing any of the backend developers;
- Worked closely with the stakeholders to compile project requirements and expected deliverables;
- Conducted daily pair-programming sessions with teammates

Senior Software Engineer

04/2014 to 01/2017

Oncam | Phoenix, USA

- Improved the app architecture by turning a monolith into microservices
- Improved the app availability and scalability by rewriting the most critical parts in Erlang and later in Elixir
- Covered all the new code, and the most complicated pieces of the old codebase, with tests and documentation
- Migrated all the microservices to Rancher
- Designed a highly available Push Notification system in Erlang (was later ported to Elixir because of simpler testing) and created the PN system management app with React and Phoenix
- Worked with project managers, developers, QA, and users to resolve technical issues;
- Worked with software development and testing team members to design and develop robust solutions to meet stakeholders' requirements for functionality, scalability, and performance.

Skills

Elixir - 8 years

System Architecture - 10+ years

Distributed Systems - 8 years

Web Security - 10+ years

API Design - 10+ years

Education

The Open University
Bachelor's
Combined STEM
United Kingdom
09/2018 to 12/2021