Bernard Kolobara

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Experience

CO-FOUNDER & CEO; LUNATIC INC.; VIENNA, AUSTRIA – NOV 2020 - NOV 2023

- Created and maintained the open source lunatic runtime. Grew it to 30+ contributors and more than 4k GitHub stars. Built a vibrant discord developer community with over 1000 members.
- Raised funding, hired and lead the developer team.

Tech Stack: Rust

CO-FOUNDER & CTO; LINDAESTATE; LISBON, PORTUGAL – MAR 2017 - FEB 2020

- Designed and built from scratch the Lindaestate CRM for real estate agencies.

Tech Stack: Elixir / Phoenix, JavaScript / React

SOFTWARE ENGINEER; CERN; GENEVA, SWITZERLAND – FEB 2015 - FEB 2017

- Worked with the data acquisition team of the ATLAS experiment to create new web applications and improve the user experience of existing ones.
- Designed and developed the Shifter Assistant Web Interface. A single-page application that is responsive, works on all screen sizes and includes advanced features like streaming updates and desktop/push notifications based on HTML5 service workers. It is used daily by shifters and experts as a critical application to monitor the status of the ATLAS data acquisition.
- Redesigned and implemented the frontend of the Shifter Assistant Replay application, allowing a faster non-repetitive work-flow. Implemented a custom Django log-in module based on SSO and LDAP.
- Tutored and implemented a simple DAQ control system for teaching purposes at the International School of Trigger & Data Acquisition 2016.

Tech Stack: Python / Django / Flask, JavaScript / React / Redux

SOFTWARE ENGINEER; CLIQZ GMBH; MUNICH, GERMANY – MAR 2014 - FEB 2015

- Developed the Cliqz Firefox extension, an extension that provides search results directly in the url bar, with a custom presentation depending on result content.
- Designed and developed a version management and update system for Firefox extensions distributed outside of Mozilla, based on Git tags and Amazon S3. This allowed us to push new versions multiple times a day to millions of users and separate testing and production channels.

Tech Stack: Python, JavaScript

OPENLAB SUMMER STUDENT; CERN; GENEVA, SWITZERLAND – JUL 2013 - SEP 2013

- Worked on the Indico Project developing e-ticket and check-in functionalities for the system. Built a cross-platform mobile application for scanning and processing generated tickets using web technologies. It's now available from the two major smart-phone application stores and has received very positive feedback from conference organizers.

Tech Stack: Python / Flask, JavaScript / AngularJS, Apache Cordova

SOFTWARE ENGINEER INTERN; PARTNER BANK; ZAGREB, CROATIA – JUL 2012 - DEC 2012

- Developed rich/interactive web applications to simplify work-flow and collaboration between different teams.

Tech Stack: Python / Flask, JavaScript / BackboneJS

Education

University of Zagreb / Faculty of Electrical Engineering and Computing – 2012 - 2016
Master of Computer Science

MASTERS THESIS

Title: Finding similar email conversations using locality sensitive hashing
Supervisor: Prof. Dr. Sc. Siniša Srbljić
Summary: Finding similar emails in a large collection by applying fingerprinting methods based on locality sensitive hashing algorithms.

University of Zagreb / Faculty of Electrical Engineering and Computing – 2007 - 2012
Bachelor of Computer Science

Languages

Croatian: Mother tongue
English: Professional working proficiency
German: Professional working proficiency