



David Hrdina Němeček

Software developer. Engineering lead & manager.

Contacts

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Work Experience

Current position

Senior Software Development Manager (UI Platform)

Oracle|NetSuite, 2022 - present

Engineering lead for multiple UI Platform teams. Development of core UI frameworks, components and tools used by the rest of the organization.

Leading a UI testing architecture group, supplemental product owner for this group.

TypeScript Preact NodeJs Oracle JET Java Git

Software Development Manager (UI Platform)

Oracle|NetSuite, 2020 - 2022

Engineering lead for a UI Platform team. Development of UI components that formed a UI toolkit used by the rest of the organization.

Supplementing a product owner while bootstrapping a team.

TypeScript Preact NodeJs Oracle JET Java Git

Software Development Manager (ERP, Tax)

Oracle|NetSuite, 2017 - 2020

Developer lead for ERP: Tax. Design and implementation of a pluggable Tax calculation engine. Coordination of multiple squads supporting both the legacy and the next-gen systems concurrently.

Java Oracle SQL JavaScript Perforce Git Software Architecture

Senior Software Engineer (ERP, Tax)

Oracle|NetSuite, 2013 - 2017

Development of Tax calculation and reporting modules in a cloud ERP system.

Large-scale refactoring of legacy code. Introduction of a pluggable architecture.

Java Oracle SQL JavaScript Perforce Legacy code refactoring

Software Engineer

Q2 Interactive, 2009 - 2013

Development and project leadership of multiple web applications:

- CRM system (PHP backend server, JavaScript frontend, Android client app),
- Accounting web app (PHP, JavaScript),

- e-commerce sites (Magento),
- Linux server maintenance.

PHP Java JavaScript MySQL Server hosting Linux Android Subversion (SVN)

Skills

★ Primary

Java TypeScript JavaScript Linux Leadership

+ Secondary

SQL Kotlin C/C++ NodeJs Git Preact Embedded Software

📖 Languages

Czech (native) English (proficient) German (elementary)

♥ Interests

Guitars Heavy Metal Mazda MX-5 DIY electronics Linux Open source

Education

Master's degree, Parallel and Distributed Systems

Faculty of Informatics, Masaryk University Brno, 2011 - 2013

Master's thesis: *Efficient computation and visualization of correlations in medical signals.*

The first part consisted of high-performance computation of correlations on large volumes of analog data using supercomputers.

The second part covered the visualization of the computed results which allowed interactive exploration and processing of the data by a researcher.

C/C++ Supercomputers OpenMPI Python Visualization Data science

Bachelor's degree, Parallel and Distributed Systems

Faculty of Informatics, Masaryk University Brno, 2008 - 2011

Bachelor's thesis: *Parallel implementation of force-field decomposition algorithm.*

The solution executed on a supercomputer cluster to perform real-time simulation of molecular forces. This in turn provided haptic feedback to a 3D pointing device.

C/C++ Supercomputers OpenMPI Data science

Projects

Currently active

Personal projects

Various hardware and software projects. Usually open sourced and published on projects.dejvino.com or git.dejvino.cz.

These include video games, utilities, 3D models, retrofitting devices with embedded microcontrollers etc.

Java Python C/C++ Embedded Software OpenSCAD TypeScript Linux Open Source Git Self-hosting