David Hrdina Němeček

Software developer. Engineering lead.

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 who designed, developed and released a UI framework and tooling used by the rest of the organization.
Leader of a UI testing architecture group responsible for defining a testing strategy across the UI Platform.

`TypeScript` `Preact` `NodeJs` `Oracle JET` `Java` `Git`

Software Development Manager (UI Platform)

Oracle|NetSuite, *2020 - 2022*

Engineering lead for a UI Platform team who developed components for a UI toolkit used by the rest of the organization.
Technical product owner while bootstrapping a team.

`TypeScript` `Preact` `NodeJs` `Oracle JET` `Java` `Git`

Software Development Manager (ERP, Tax)

Oracle|NetSuite, *2017 - 2020*

Lead developer 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 and services:
- 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

⚲ Main

Kotlin   **Java**   **TypeScript**   **Linux**

⊞ Support

Go   **JavaScript**   **Oracle SQL**   **Git**   **React**   **Preact**   **Python**

▢ 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 decompression 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

Open Source Contributor

Code contributor to open source projects, shared on github.com/Dejvino and git.dejvino.cz.

E.g. SimpleMobileTools Android suite.

`Kotlin` `Android` `Python` `Open Source` `Git`

Personal projects

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

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

`Java` `Python` `TypeScript` `Embedded` `OpenSCAD` `Linux` `Open Source` `Self-hosting`