TUDOR POPA

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EDUCATION

Babeș-Bolyai University   Oct 2006 – May 2009
BS Computer Science, Mathematics   Cluj-Napoca, Cluj, Romania

Horea, Closca și Crișan Highshool   Sep 2002 – Jun 2006
Informatics, Mathematics   Alba-Iulia, Alba, Romania

WORK EXPERIENCE

Black Tree Software   Sep 2016 – Present
Chief Technology Officer & Co-Owner   Cluj-Napoca, Cluj, Romania

- Drove the development of a sports betting / online gambling white label PaaS.
- Had operations in 3 north african countries (Ghana, Uganda and Kenya).
- Managed a team of 8 developers, following an agile approach.
- Designed and implemented the software architecture of the whole platform, creating a decoupled, highly scalable, components based system.
- Worked alongside a DevOps team on designing and implementing a complete continuous integration / continuous delivery solution using the AWS cloud.
- Implemented machine learning data models for predicting and categorizing user activities / behaviors.
- Developed a lottery extraction tool which allowed the client to set a custom RTP (return to player) percentage using genetic algorithms.
- Worked with technologies raging from low level code designed for currency detectors (ccTalk protocol) to high-level frontend libraries.

HiPPONET   Sep 2012 – Sep 2016
Chief Technology Officer   Cluj-Napoca, Cluj, Romania

- Managed a team of 6 developers on various outsourcing projects.
- Collaborated with the Penvision swedish company, developing a SaaS platform which offered the possibility of online storage and processing of handwritten documents, using a proprietary handwriting recognition solution.
- Re-worked swedish company's Rahmqvist CRM tool
- Developed and published the Rahmqvist PIMNotes app for both Android and iOS

wixi.com   Sep 2008 – Sep 2012
Local Manager / Lead Software Engineer   Cluj-Napoca, Cluj, Romania

- Managed the Cluj-Napoca office operations.
- Managed a team of 5 developers, working on a file hosting service similar to Dropbox, which was the main competitor at that time.
- Wrote a complete UI library with comparable window manager-like features in vanilla JS

OpenData   Mar 2008 – Jul 2008

Software Engineer   Cluj-Napoca, Cluj, Romania

- Designed and implemented a CRM tool following Cluj's biggest real-estate angecy (at that time) requirements.

WebHorizon   Apr 2006 – Jul 2006
Junior Software Engineer   Cluj-Napoca, Cluj, Romania

- Worked on the Audi car manufacturer french site, developing various components for the client site and the backoffice.

SKILLS

- Programming Languages: Python, Javascript, Rust, Bash
- Databases: Various db engines including both SQL and NoSQL solutions such as MongoDB, Redis, Couchbase, PostgreSQL and others.
- Web Servers: Nginx, Apache
- DevOps: Various DevOps tools and orchestration systems such as Kubernetes, Docker, Jenkins, Chef, Puppet and others., Worked on multiple cloud computing platforms including AWS, Azure and Google Cloud.
- Frontend: Various frontend frameworks / libraries such as React, Angular, Vue and others.
- Backend: Various backend frameworks based on NodeJS, Python and, as of late Rust.
- Machine Learning: Various ML libraries such as TensorFlow, Keras and Brain.js.

SIDE PROJECTS

Github profile Javascript, Pyhton, Bash   https://github.com/doidor
Various open source projects that I personally use.

Random maze generator Javascript
A personal project that's designed to feed a multiplayer, mobile game with random generated maps, using a genetic algorithm and ranked by an A-star algorithm score in conjunction with a complexity index.