Dénes Bán

SOFTWARE ENGINEER

ABOUT

Senior software engineer with 8 years of experience in various environments. (C++, Java, Full-Stack Web, Python, Automation, ...)

Proven track record of excellent verbal and written communication through publications, tech reports, conferences, and teaching; in English and Hungarian.

Focusing on static source code analysis, maintainable system architectures, software quality, and machine learning; aiming to transition into data science.

Vocal proponent of remote work, seeker of financial independence, avid reader of science fiction and fantasy, constant listener of neurofunk.

CONTACT

+36-70/459-6622

mr@zealot.hu

mrzealot

bandenes

EXPERIENCE

RESEARCH FELLOW
UNIVERSITY OF SZEGED
// APR 2018 - PRESENT

Bug prediction through deep neural networks; data science related tasks in the Python ecosystem.

MENTOR
FLOW ACADEMY
// AUG 2017 - PRESENT

Compiling parts of the curriculum; teaching programming basics, object oriented concepts, UML modeling, and design patterns.

SOFTWARE ENGINEER
UNIVERSITY OF SZEGED
// JUN 2012 - MAR 2018

Static source code analysis and data schema design; syntactic tree building and metric calculations; software quality related research; tech lead on a medical internal accounting solution; senior developer on an industrial ERP system; participant in the REPARA FP7 project; in charge of multiple refactoring and automation efforts.

WEB DEVELOPER
INGATLANNET.HU
// FEB 2010 - MAY 2012

Developing and expanding the GUI and backend of a high traffic real estate site; maintaining the admin pages and databases; managing virtual machines, backups, and configurations.

SYSTEM DESIGNER
SKYPLUSZ
// MAY 2011 - DEC 2011

Implementing a financial administrative webinterface; designing the system architecture by analyzing business requirements.

EDUCATION @ UNIVERSITY OF SZEGED

DOCTOR OF PHILOSOPHY (PhD)
APPLIED COMPUTER SCIENCE
// SEP 2014 - APR 2018

Summa Cum Laude; Thesis: Static Source Code Analysis in Pattern Recognition, Performance Optimization and Software Maintainability

MASTER OF SCIENCE (MSc)
SOFTWARE INFORMATION TECHNOLOGY
// SEP 2012 - JUN 2014

Grade: 4.95 / 5; Thesis: Antipattern Recognition

BACHELOR OF SCIENCE (BSc)
SOFTWARE INFORMATION TECHNOLOGY
// SEP 2009 - JUN 2012

Grade: 4.95 / 5; Talent Management Program; Thesis: Recognizing Design Patterns in Object Oriented Source Code

HONORS

- **Fellowship of the Republic × 2**
- **Fellowship of the City of Szeged**
- **Eötvös Loránd Research Grant**
- **Pro Ingenio Award**
- **Talent Scholarship**
- **Excellent Talk Award**