

RÉSUMÉ / CURRICULUM VITAE

SUMMARY

Name: **Michael Belivanakis (a.k.a. Mike Nakis)**

Job objective: **Senior Software Engineer**

Year of birth: **1969** • Related experience: **~40 years** • Notice period: **3 months**.

Location: **Rijswijk, NL** • Language: **English** (near native) • Work eligibility: **EU citizen**

E-mail: michael@michael.gr • Portfolio: blog.michael.gr/portfolio



Skills:

- Windows Desktop development with C#, C++, WPF/MVVM, Visual Studio.
- Web microservices back-end development in Java with IntelliJ IDEA, Kafka.
- Object-Oriented Analysis & Design • Software Testing • Low-level coding & debugging • Infrastructure-level (platform) programming • Network programming • Multi-threading • Hardware interfacing and control • Git • CI/CD both on GitLab and GitHub • Jira, Scrum.
- Technical team leadership • Technical mentorship • Technical writing • Collaborative Problem Solving.

EDUCATION

1/1989 - 9/1995 **Bachelor of Science in Computer Science**
California State University, San Bernardino (csusb.edu) San Bernardino, USA

187-academic unit degree, requiring 5 years of full-time studies • Switched to studying part-time and working full-time after the 3rd academic year • Elected by peers to the 3-member project leadership team of the senior-year Software Engineering course • Graduated September 1995.

WORK EXPERIENCE PART 4

The Netherlands: 2016 - present

5/2019 - present **Senior Software Engineer - QED Technologies (gedtech.com) Delft, NL**
(Formerly Dutch United Instruments BV / Demcon Group)

Developing a Windows Desktop application that controls a high-end metrology machine for freeform optics • Transitioned from subversion to git • Introduced unit testing • Introduced CI/CD on Gitlab • Transitioned from net472 to net8 • Technologies: Visual Studio (with and without ReSharper), C# 11, WPF / MVVM, SciChart 2D and 3D, TwinCAT ADS (interfacing with Beckhoff PLC) on Windows • Participated in the design and development of the firmware of an ARM-based, Bluetooth Low-Energy (LE) medical embedded system using Silicon Labs SDK, Eclipse, GCC on Windows.

3/2018 - 2/2019 **Senior Software Engineer - Geophy BV (geophy.com) Delft, NL**

Collaborated with back-end developers, operations specialists, front-end developers, semantic modelers and data scientists in the development of a microservices back-end system that processes large amounts of Real Estate data and feeds Automated Valuation Models • Technologies: Java 10, Scala 2.12, IntelliJ IDEA, Kafka and Embedded Kafka, PostgreSQL, Amazon (AWS) S3 API & CLI, Amazon SQS, Maven, JUnit, Scalatest, Git, Gitlab, Kibana, Jira on MacOS, Linux.

2/2016 - 1/2018 Senior Software Engineer - Topdesk (topdesk.com) Delft, NL

Participated in the development of topdesk.com, a large-scale Service Management / IT / Incident / Facilities Management web application • Participated in the transition from monolithic to microservices architecture • Participated in the company's Programmers Community of Practice (CoP) core team and in the Performance CoP core team • Technologies: IntelliJ IDEA, Java 8, JPA (Hibernate), Maven, Jira, Jenkins, MS-SQL Server and Management Studio, H2, Junit, Mockito, Lombok, Git, GitLab, HTML, CSS, JavaScript (ECMAScript 5), TypeScript, Python, Gradle, Oracle 12, SQL Developer, Spring Boot, JAX-RS (Jersey), Jackson, Swagger, Docker, Kubernetes, Kibana on Windows, Linux.

WORK EXPERIENCE PART 3

Back to Athens, Greece: 1996 - 2015

7/2013 - 9/2015 Senior Software Engineer - HTR SA (htr.gr) Athens, GR

Designed and implemented the data model, persistence layer, and parts of the GUI of a collaborative activity planning desktop application for the Rover Operations Control Center (ROCS) of ESA's Exomars mission via a subcontractorship • Technologies: Java 8, IntelliJ IDEA, JPA (Hibernate), MySQL, Oracle 11, HSQL, SWT, JAXB, Junit + EasyMock, YouTrack, Subversion on Windows, Linux.

10/2012 - 5/2013 Senior Software Engineer - Velti Ltd (velti.com) Athens, GR

Participated in the development and maintenance of an SMS Mobile Gaming platform • Technologies: RESTful Web Services, Java EE 7, IntelliJ IDEA, PL/SQL, Oracle SQL Developer, Spring, JPA (Hibernate), Junit, EasyMock, Maven, Tomcat, ActiveMQ, Git, GitHub, Jenkins, Jira, Confluence on Windows, Linux.

2/2010 - 9/2012 Full-time dad - Athens, GR

Experimented with C# on various pet projects, such as *Intertwine: Normalizing Interface Invocations*, see blog.michael.gr/post/2022-12-intertwine, and *Crossword Puzzle Compiler*, see blog.michael.gr/post/2015-10-crossword-compiler • Technologies: C#, .Net Framework 3.5, Visual Studio 2010 on Windows.

11/2003 - 1/2010 Senior Software Engineer - Aventurine SA (aventurine.gr) Athens, GR

Participated in the development of *Darkfall Online*, a Massively Multiplayer Online Role-Playing Game (MMORPG) (see blog.michael.gr/post/2013-06-03-darkfall-samples) • Designed and implemented the GUI of the game: both the framework layer, interfacing with the proprietary graphics engine, and the game-specific layer, interfacing with the game logic • Wrote the Input System, interfacing with DirectInput, and the Environment System (weather, celestial bodies) both client & server • Technologies: Java 7, Eclipse, C++ via JNI, Visual Studio 2008, DirectInput SDK, Subversion, Trac on Windows.

1/2001 - 9/2001 Consultant, Architect, Developer - Kariera SA (kariera.gr) Athens, GR

Designed and implemented kariera.gr, (now part of CareerBuilder.com,) the leading employment web site in Greece, plus its administration back-end web site, with the help of an Artist and a Systems Administrator • Technologies: ASP Classic, Visual Studio 6, SQL Server 7, IIS 5 on Windows.

4/1998 - 1/2001 Senior Software Engineer - Infogrow Ltd - Athens, GR

Designed and implemented a Computer Telephony system based on Dialogic hardware and several telephony applications for it. (see blog.michael.gr/post/2015-10-computer-telephony) • Designed and implemented a desktop application for assisting UDV (now Diageo) in tracking incentives to wholesalers. • Participated in the development of a promotional Multimedia Video Game • Technologies: Microsoft Visual C++, Visual Studio 4.2 and 5, MFC, DAO, ODBC, Dialogic Windows NT SDK, Asymetrix Toolbook, DirectX, SideWinder Joystick SDK on Windows.

11/1996 - 4/1998 Software Engineer / Contract - SENA SA - Athens, GR

Participated in the development of a Computer Aided Design (CAD) application for Civil Engineers (see blog.michael.gr/post/2013-05-30-civil-engineering) • Designed and implemented 3 educational games for the web site of the Greek House of Parliament based on Java Applets • Technologies: Microsoft Visual C++, Visual Studio 4.0, MFC, GNU RCS, JDK 1.1 on Windows.

WORK EXPERIENCE PART 2

California, USA: 1991 - 1996

10/1995 - 3/1996 Software Engineer, Contract

7/1993 - 9/1993 Software Engineer, Contract - Object Dynamics Corp, Costa Mesa, CA, USA

Developed an embedded SMB print server on behalf of Canon, Inc. to connect a printer directly to Microsoft/IBM LanMan Networks using NetBIOS. • Encapsulated a commercial database in a Windows DLL for a train-tracking application on behalf of TrainTrack, Inc • Technologies: Microsoft Visual C++ 1.5, Microsoft C 7, CodeView debugger, Soft-ICE debugger, General Software's Snooper, LanMan, FairCom cTree on MS-DOS, Windows.

9/1993 - 9/1995 Senior Systems Software Engineer

9/1992 - 7/1993 Software Engineer - Thesis Technologies Corp, Laguna Hills, CA, USA

Worked closely with hardware engineers and applications software engineers in the development of a diskless, touchscreen, hand-held computer for home health care • Successfully took over from the main architect and developer when they left the company • Maintained a proprietary Operating System, rewrote the BIOS of the device, designed and developed new features for the device and for the data processing Windows NT back-end • Technologies: Microsoft C 5.1, MASM, CodeView debugger, Soft-ICE debugger, Grammar Engine's RomBoy, Watcom C/386 on MS-DOS.

2/1992 - 7/1992 C & Assembly Language Programmer - Young Minds Inc, Redlands, CA, USA

Participated in the development of a Baseball Video Game • Wrote parts of the asset pipeline and a few crucial routines of the game • Technologies: Borland C 3.0, TASM, Turbo Debugger, Microsoft C 5.1, MASM, DG Aviion C, IBM RS6000 C on MS-DOS, Unix.

3/1991 - 2/1992 Contract Programmer - Apollo Pharmaceutical Systems, Glendora, CA, USA

Designed and implemented a text-mode windowed bulletin board for pharmacies, featuring a reliable serial communications protocol and a Remote Procedure Call (RPC) mechanism • Technologies: Borland C 3.0, TASM, Borland Turbo Pascal on MS-DOS.

WORK EXPERIENCE PART 1

Athens, Greece: 1985 - 1988

11/1988 - 12/1988 Assembly Language Programmer - Technosoft Ltd - Athens, GR

Consulted Application Software Engineers on how to write more efficient code in Turbo Pascal • Wrote new routines in Pascal & Assembly; Optimized existing Pascal routines; Converted routines from Pascal to assembly • Technologies: Microsoft Assembler, Borland Turbo Pascal v4 on MS-DOS.

1985 - 1987 Columnist, Contributor - Anadrasi Publications Ltd - Athens, GR

Published programs, game reviews & hardware reviews in a monthly magazine about the Amstrad Home Computers with a circulation of about 7,000 copies • Had two regular columns: one on the firmware of the Amstrads and one on programming the Z80 CPU.

CERTIFICATIONS

11/2016 Oracle Certified Associate, Java SE 8 Programmer

Received upon passing the *Java SE 8 Programmer I* examination.

See blog.michael.gr/post/2016-11-04-oracle-certified-associate

VOLUNTEER EXPERIENCE

12/2011 - present Contributor - Stack Overflow (stackoverflow.com)

Stack Overflow profile: stackoverflow.com/users/773113/mike-nakis

Software Engineering profile: softwareengineering.stackexchange.com/users/41811/mike-nakis

9/1996 - 1/2001 Volunteer - Greenpeace Greece (greenpeace.org/greece) Athens, GR

Helped with any job that needed to be done in the office • Provided computer support to personnel • Provided secretarial support to the head of the office • Received nonviolent action training • Participated in soft actions as crew member • Participated in hard actions as support personnel (mainly as a car driver).

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