

Antonis Gouzas

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Athens , Greece

EDUCATION

June 2004 **National Technical University of Athens**
Diploma in Electrical and Computer Engineering

Thesis: Design and implementation of WebXPVM, a Parallel Virtual Machine (PVM) for distributed processing over the Web, using Web technologies (Web Services and Java-RMI).

TECHNICAL SKILLS

Languages Typescript (VUE, Vuetify),
Java (Swing, RMI, JDBC, JSP, JPA, JEE, Spring / Spring Boot, Google Web Toolkit),
PHP, SQL, Web (HTML/CSS, Javascript), Dart/Flutter

Other / Technologies / Tools Web Services, XML-RPC, REST. Preferable IDE: IntelliJ IDEA/Cursor (using build tools Maven, Ant, git, npm). Experienced in Adobe Photoshop, ArcGIS Desktop. Basic experience with Mysql, PostgreSQL/PostGIS, SQL Server, SQL Server Express, NGINX, Mosquitto, JIRA and Confluence. Integration with protocols Modbus UDP/TCP, Serial NMEA 0183 for development maritime data acquisition and third party serial protocols.

WORK EXPERIENCE

Senior software developer with experience in web and desktop development. Design of telematics applications, location-based services and associated products. Experienced in 2D and 3D geographic systems. Design, implement and host web sites.

September 2018 - Present (6+ years)

NEDA Maritime <https://www.nedamaritime.gr> Athens, Greece
IT Dept/Software Developer in shipping industry

- Support/Bug fixing/Develop new features for Data Acquisition Platform (GWT web app, Spring Boot, Rest/MQTT/Postgres).
- Architected and implemented Grafana dashboards integrated with PostgreSQL to provide real-time telemetry and data visualization for the DAQ platform
- Built the web interface using Vue.js (TypeScript) and the mobile application using Flutter (Dart), backed by a unified Spring Boot microservice.
 - Engineered specialized technical modules for maritime compliance, focusing on CII (Carbon Intensity Indicator), EEOI, and key performance indicators (KPIs) to track vessel efficiency.
 - Implemented a Natural Language to SQL (NL2SQL) interface using the Gemini API. Developed a local AI chatbot that allows non-technical users to query the database using plain English.
- Migrate the VMS platform (previous ERP) to DANAOS framework (migrated modules: operation, technical)

March 2014 - August 2018 (4+ years)

Vector Maritime <http://www.vectormaritime.com> Athens, Greece
Software Developer in shipping industry

- *DAQ platform (GWT web app, demo available if requested)*

Design & Develop a Data Acquisition platform named 'DAQ' for monitoring vessel parameters (voyage, engine, cargo data), The application acquires, visualizes and synchronizes vessel-data in the office in a web application. Currently the software is installed in 25+ vessels.

Used technologies: Backend Tomcat, JDBC, Spring Boot, PostgreSQL, Jersey for REST communication with the vessels. Industrial protocols & formats in the vessel side: NMEA 0183/Modbus TCP/RTU. UI: Swing for desktop application and Google web toolkit for the web display.

- *DAQ Mobile (Vue progressive web app for mobiles)*

Progressive web app of DAQ for mobiles usage, using javascript/vue and spring boot

- *Shipboard/VAS*

Develop/Maintain/Support a vessel to shore synchronization tool using java/swing.

January 2013 - February 2014 (1 year, 2 months)

Upstream <http://www.upstreamsystems.com>

Athens, Greece

Software Developer

- *MINT platform developer*

Develop and maintain components for the MINT Platform, a marketing technology platform deployed in JBoss.

Used technologies: JBoss, JPA, Spring, Camel, JSF, PostgreSQL.

- *VAS portal*

Develop a web application used as support-interface-aggregator of applications deployed in the MINT Platform.

Used technologies: Tomcat, Spring, Camel.

- *MagicBox Portal*

Develop a CMS in ruby on rails to feed content to android applications. Used technologies: Ruby on Rails, PostgreSQL.

January 2006 - January 2013 (7 years)

Satways ltd <http://www.satways.net>

Athens, Greece

Software Developer

- *IDIRA/PFIF web application*

Development of a web application compliant with the PFIF 1.4 (People Finder Interchange Format) specification for the European Project IDIRA. Used technologies: GWT/Bootstrap twitter framework, deployed in Tomcat, PostgreSQL with the PostGIS extension.

- *S.A.F.E.R*

Development of 'S.A.F.E.R' (Software Architecture for Emergency Response) system for the Prefecture of Messinia. An integrated multi-agency Crisis Management solution system. Used technologies: Java/Swing (Java Web Start Application), deployed in J2EE (JBoss), GIS Application with 3D Capabilities, PostgreSQL with the PostGIS extension

- *C4I- Greece Project*

Development, installation and testing of 'AVL Enterprise Advance' fleet management system for the C4I Athens project - a standalone Java/Swing, GIS application with 3D capabilities.

- *Agro-Map Project (GWT online web app demo is available. The app is still running from 2008)*
Development, installation and testing of the AgroMap application - a web application for the management of Olive Oil production management based on Agro2.1 & 2.2, ISO 14001 and EUREPGAP standards. Developed using GWT, SmartGWT and deployed in Tomcat. Available at: <http://igrow.gr>

- *C4I-Qatar Project*
Design, development, installation and testing of the 'AVL' (Automatic Vehicle Location) system for the Doha Asian Games - a J2EE/Java Web Start Application for fleet management (deployed in JBoss, SQL Server). During the project I worked for 6 months in Doha, Qatar.

Training

Attendance of Training Course on Professional HUB Operation (IOM) of Integrated VSAT and SCPC Satellite Networks provided by iDirect company

- iDirect IOM Training Course, August 2007, Washington

February 2004 - November 2004 (9 months)

Research academic Computer technology institute

Athens, Greece

System Administrator

- Administrator of a parallel processing system (in Red Hat Linux and Solaris OS) for the creation and publication of random numbers for the lucky games of OPAP (<http://www.opap.gr>) (Super3, Extra5 and KINO).

November 2001 - November 2003 (2 years)

Minyes, Construction Company

Athens, Greece

Software Developer and Administrator

- Network Administrator (Windows 2000/XP OS)
- Web Developer (php, jsp).

June 1999 - June 2000 (1 year)

Vector S.A.

Athens, Greece

Software Developer

- Development of Network Archiver Application, a Java SE software application for file backup, file index and parallel file search in a LAN using RMI and Apache Lucene Engine.
- Development of a visual form designer (WYSIWYG) in Java (Swing) .
- Development of a lightweight peer to peer application for chatting and file transfer between users.

PERSONAL WEB PROJECTS

- <http://www.apergia.gr>. Developer and owner. A web-calendar with strikes in Greece based in VUE/Spring Boot (previously the website was Joomla CMS -php and mysql). 40+ million page views and 5million + unique visitors since Oct 2010 (based on google analytics). Hosted in Amazon Web Services (EC2). Also the project has a native android ([play-store apergia.gr](http://play-store.apergia.gr)) application with max 30k active users (currently ~8k).
- <http://www.uzed.gr>. Developer of an experimental web site for buying/selling used products with social features using Google Web Toolkit/Tomcat/MySQL. Released April 2013. Hosted in Amazon Web Services (EC2, RDS and S3). **The site is no longer supported.**
- <http://vetra.gr>. Develop the UI of a web gis application for fleet tracking. Google Web Toolkit/Tomcat/MySQL. (Credentials are needed)
- <http://www.hotelmapia.com>. Developer of a GIS oriented web site for searching and booking hotels,

integrated with Google Maps©. Developed using Google Web Toolkit/Tomcat/MySQL. Hotel feed from hotelscombined. Released March 2011. Hosted in Amazon Web Services (EC2). **The site is no longer supported.**