# Evolva web technology for high efficiency

12 years in Java web development

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# About Evolva

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# Evolva in Varaždin, Croatia



**Innovative environment**
**Top experts in ICT**
**Knowledge transfer**
**Development agencies**

## The region of top Croatian ICT institutions

›   **Faculty of Organization and Informatics** – top quality education in information sciences through mobility, scientific research and development projects; http://www.foi.unizg.hr/eng

›   **Technology park Varaždin** – a centre of innovative high-tech companies, with a special emphasis on knowledge transfer from universities and development centers;

›   **Faculty of Electrical Engineering and Computing (FER)** – provides education and research in the field of electrical engineering, computing and ICT; http://www.fer.unizg.hr/en

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# About Evolva

Evolva is a software company, founded in 2003, specialized for development and implementation of business web applications and advanced web-based systems.

## OUR CLIENTS



## AWARDS



| | | | |
|---|---|---|---|
| Special award as one of the most innovative Croatian ICT projects | Evolva strategic debt collection IT system has been rated as the best practice and IT solution in the group | The best presentation at the conference in the „Web & mobile" section and in the overall ranking | Framework development was supported within the Proof of Concept program for innovative projects |

# Industry references

**Banking and finance**
› Privredna banka Zagreb (Zagreb, Croatia)
› FIMA vrijednosnice (Varaždin, Croatia)
› Vaba bank (Varaždin, Croatia)
› APOS Rijeka (Rijeka, Croatia)

**Telecommunications**
› Iskon Internet (Zagreb, Croatia)
› Metronet telekom (Zagreb, Croatia)

**Retail**
› Konzum (Zagreb, Croatia)

**Faculties and city administration**
› City of Varaždin (Varaždin, Croatia)
› Faculty of Organization and Informatics
   (Varaždin, Croatia)
› Faculty of Geotechnical Engineering (Varaždin, Croatia)
› Union of Sport Associations of the city of Varaždin
   (Varaždin, Croatia)
› Zagorje Development Agency (Krapina, Croatia)

**Construction and related industries**
› Telektra (Sesvete, Croatia)
› Eko Međimurje (Šenkovec, Croatia)
› INOXMONT-VS (Ludbreg, Croatia)
› Forma (Varaždin, Croatia)
› Kabel mont (Domašinec, Croatia)
› Nesek (Zagreb, Croatia)
› Competent (Varaždin, Croatia)

**Occupational safety and health**
› Vizor (Varaždin, Croatia)

**Publishing**
› Quark Solutions (Muenchen, Germany)
› Bertelsmann (Guetersloh, Germany)
› Crossmedia (Duesseldorf, Germany)
› Vincentz (Hannover, Germany)
› Bulls Press (Stockholm, Sweden)
› CyberWatcher (Oslo, Norway)
› Mladinska Knjiga Sarajevo (Sarajevo, BiH)

**Broadcasting**
› VTV - Varaždinska televizija (Varaždin, Croatia)
› Nova TV (Zagreb, Croatia)
› Otvorena televizija (Zagreb, Croatia)

**Marketing and project management**
› Plitvice Lakes National Park (Plitvice, Croatia)
› Val produkcija (Zagreb, Croatia)
› Development agency DAN (Varaždin, Bjelovar,
   Koprivnica; Croatia)
› Modern Sounds (London, UK)
› Samara Digital (London, UK)
› Technology park Varaždin (Varaždin, Croatia)
› Tin Marketing (Varaždin, Croatia)

**Other**
› Telegra (Sveta Nedjelja, Croatia)
› Geoline APS (Bagsvaerd, Denmark)
› NTH (Croatia / Switzerland)
› Hereditas (Zagreb, Croatia)
› J&J mobile (Varaždin, Croatia)

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# Services

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# Evolva services

**Custom business software development**

**Framework for fast development and migrations**

Development of business web applications

Outsourcing IT services

Software integration and consulting

Automatic conversion of desktop applications to web applications

Migration of desktop developers to Java web development

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# Custom business software development

By using advanced technology, Evolva creates business web applications that generate time and financial savings to customers, by enabling:

- **automatization and monitoring of business processes**
- **document management**
- **faster and easier execution of operations**
- **reports for faster and more accurate decision making**

We have joined together advanced knowledge of Java and web technologies and our rich experiences into an award-winning software tools that allow us to deliver **quality high-performance solutions**.
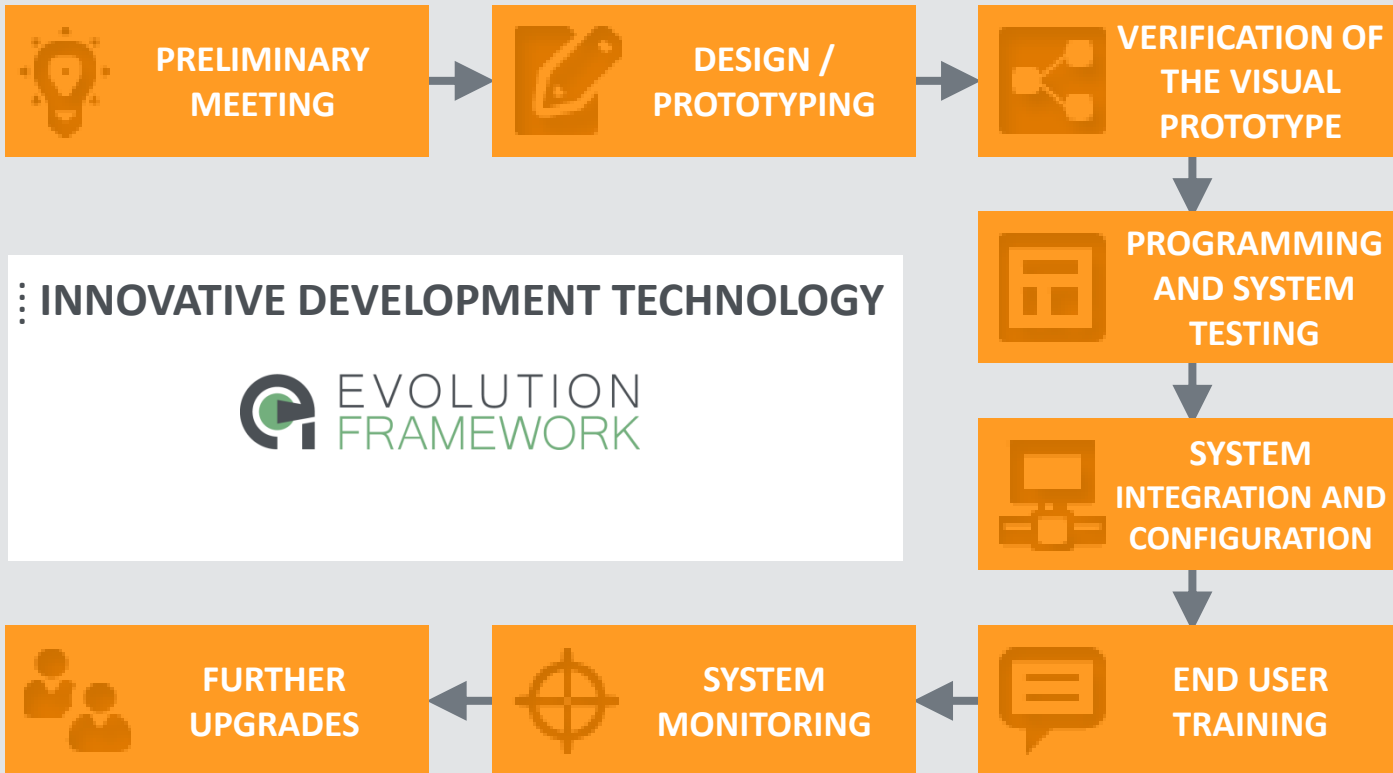
The high quality of services is guaranteed by ISO 9001:2008 quality management system certification.

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# Custom business software development

## OUR PROCESS OF MAKING A SOFTWARE

**PRELIMINARY MEETING** → **DESIGN / PROTOTYPING** → **VERIFICATION OF THE VISUAL PROTOTYPE**

**PROGRAMMING AND SYSTEM TESTING**

**SYSTEM INTEGRATION AND CONFIGURATION**

**END USER TRAINING**

**SYSTEM MONITORING**

**FURTHER UPGRADES**

## INNOVATIVE DEVELOPMENT TECHNOLOGY

EVOLUTION FRAMEWORK

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# Migration to Java web development

Migration to Java web environment is supported by desktop-to-Java-web converter and Evolution Framework technology. It includes a painless migration of developers and an automatic conversion of applications.



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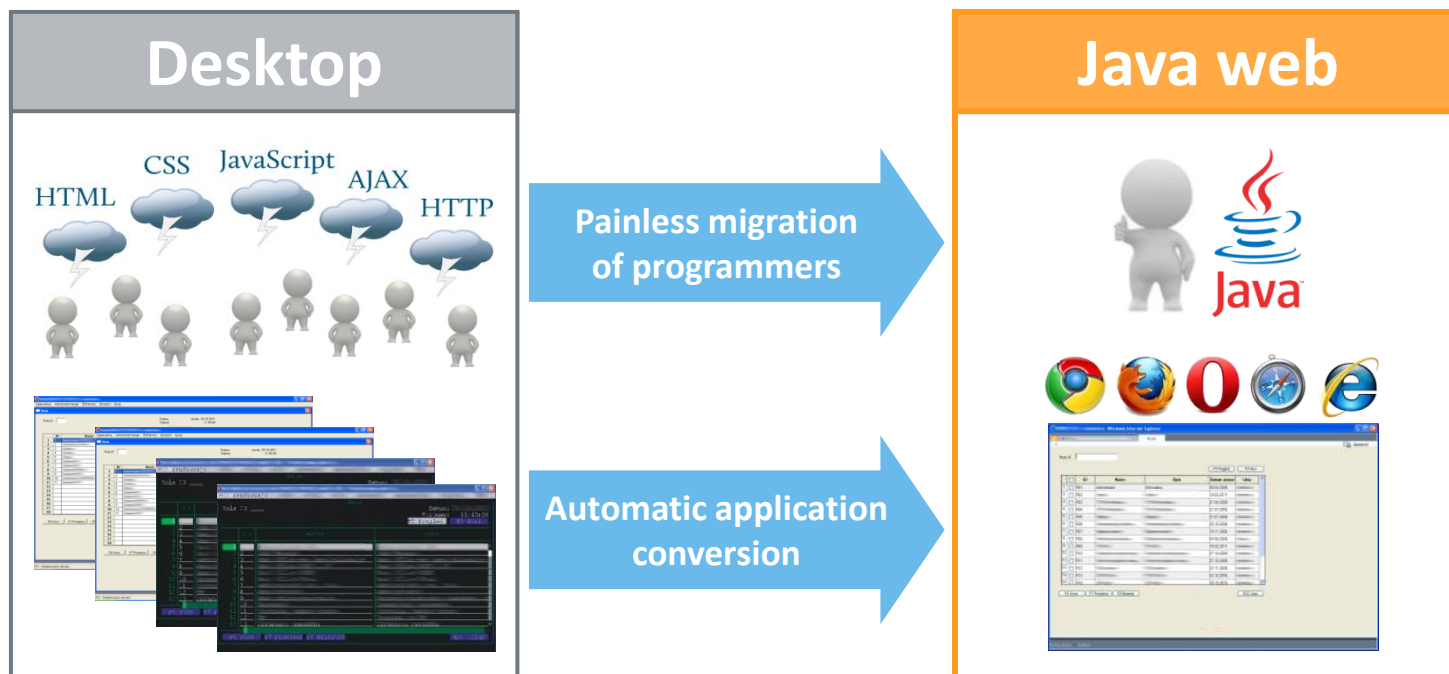
## Painless migration of desktop developers to Java web development

Painless migration of desktop developers to Java web development, based on Evolution Framework technology, brings following advantages:

› **fast learning** – automatic desktop-to-Java-web converter allows to compare the old code with the new Java code, and makes it easy to learn the syntax;

› **desktop-like development logic** – quick start of the web development without the knowledge of HTML, CSS, JavaScript and AJAX technology, without additional training and delays in development;

› **quick and easy visual screen editing** – visual editor with more than 80 controls facilitates the development of business applications with large number of screens;

› **complete set of tools and technologies** – Evolution Framework contains a set of tools for design, development, delivery and monitoring of enterprise-level web applications and modern business functionalities.

# Automatic conversion of desktop applications to Java web applications

Automatic conversion, which is supported by desktop-to-Java-web converter and Evolution Framework technology, enables a modernization of legacy applications in web environment with minimal risks and costs. It includes:

› **layout conversion** – the form layout is converted to an XML format which is used by Evolution Framework visual editor;

› **code conversion** – automatic conversion preserves original functionalities and data, and thus the business value of the existing code;

› **upgrades in efficient web environment** – converted applications can be further upgraded with modern business components.
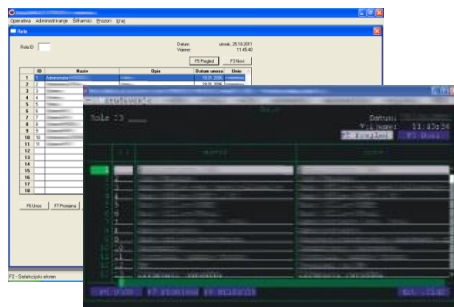
Old GUI form
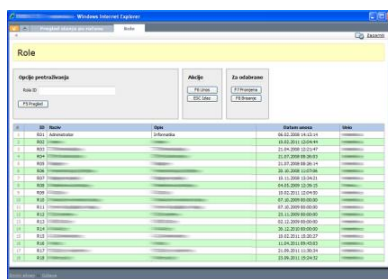
Converted form
in web browser
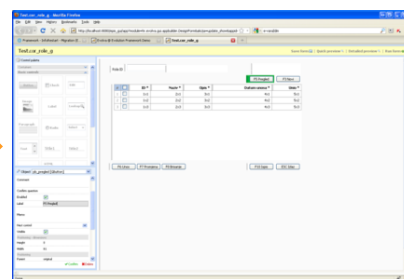
Converted form
in visual editor

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# Technology

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# Supported technologies

**Evolva technologies**

Application interface prototyping
› Evolution visual form editor
› Demo builder

Java web framework
› Evolution Framework

Business process management
› Evolution workflow management

Document management
› Evolution DMS
› EMC Documentum

Automatic desktop-to-web converter
› Panther-to-Java-web converter

**Java technologies**

Servlets, JDBC, JNDI, RMI, JNI, J/Direct, Java (signed) applets, Java Advanced Imaging (JAI)

**XML**
XML, XSL, XSLT

**Web**
XHTML, CSS, JavaScript, AJAX, jQuery

**Communication / integration**
Sockets, web services - REST, WSDL, SOAP

**Reporting**
PDF, Excel, Word, SVG, image rendering, animated graphs

**Other technologies**
PL/SQL, Panther, JPL, C/C++

**Operating systems / platforms**
Windows, Linux, Unix, Mac

**Application servers**
Apache Tomcat, IBM WebSphere, Glassfish, JBoss

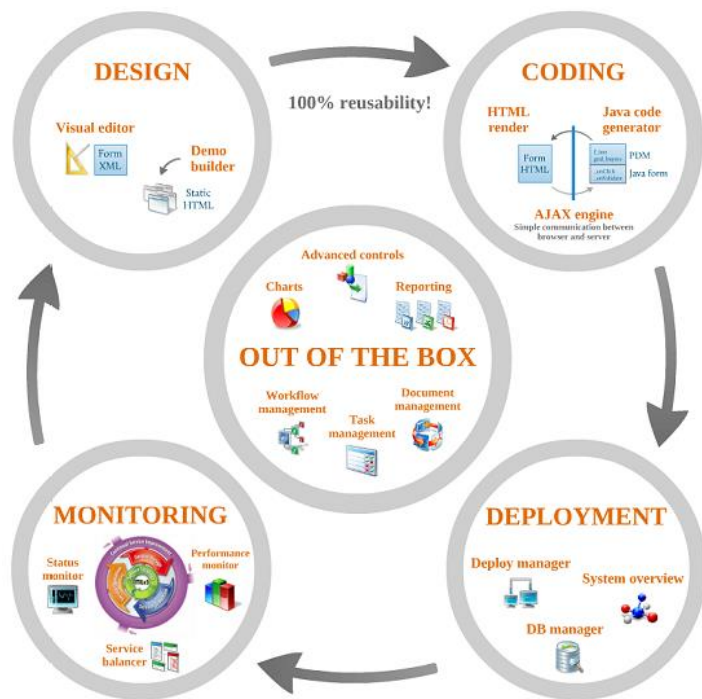**Databases**
Oracle, mySQL, Microsoft SQL server, PostgreSQL, HyperSQL

# Evolution Framework

Evolution Framework is a Java web framework for the development of modern business web applications, developed by Evolva's experts.

Includes advanced visual tools for design, development, deployment and monitoring of business web applications in Java web environment.



**AWARDS**


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The best presentation at the conference in the „Web & mobile" section and in the overall ranking
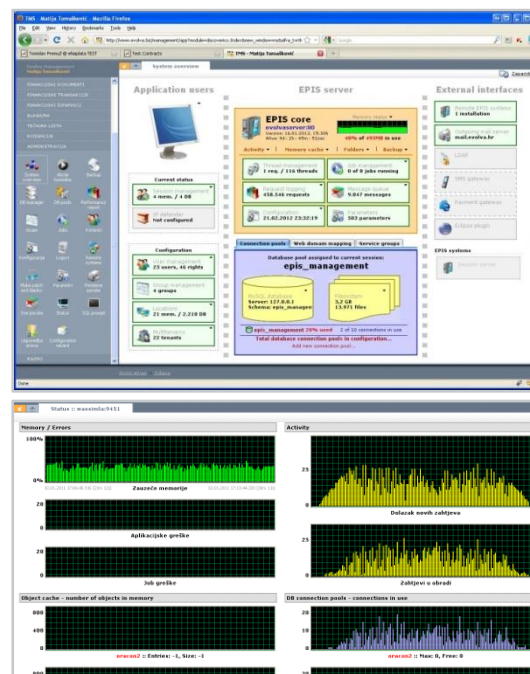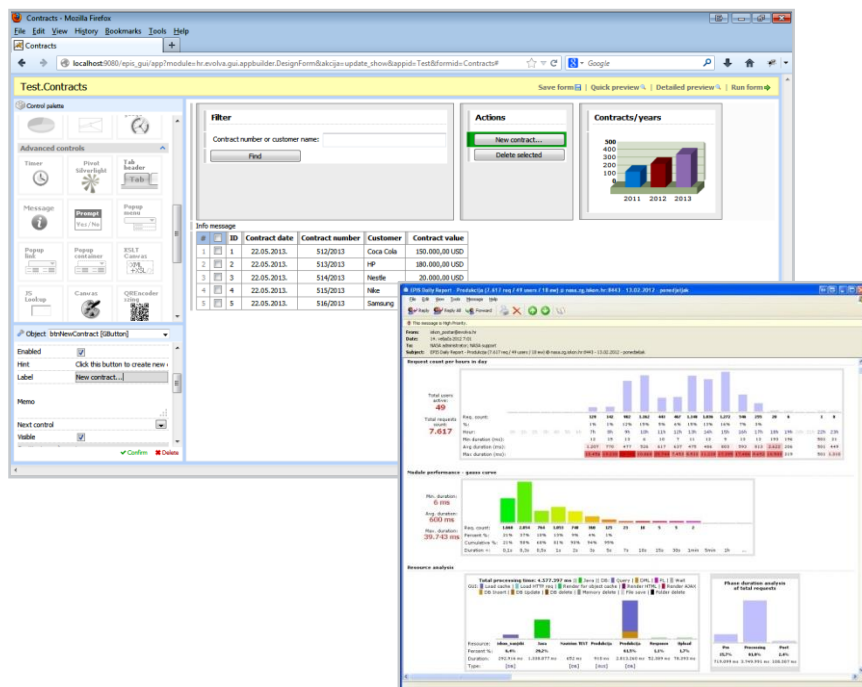

Framework development was supported within the Proof of Concept program for innovative projects

∞ www.evolution-framework.com

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# Evolution Framework

Evolution Framework combines everything esential for efficient Java web environment and eliminates the need for the knowledge of complex web technologies for the construction and operation of rich web application interfaces.



∞ www.evolution-framework.com

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# Contact us

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