

# Ice Penov

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## INTRODUCTION / BRIEF HISTORY

Ice has more than six years of very active career, taking on developer and technical lead roles.

Ice started his career as a **freelance developer** during his college days, having his big individual project in 2005 for a local business that required a cost-effective inventory management system.

After spending nearly 2 years as a freelance developer, he decided to join the corporate world as a developer at the swiss-based and quality-oriented company **Netcetera**, becoming a technical lead in as little as one year, with responsibilities of leading developers to providing quality designs and implementations.

After two and a half years, he joined **Seavus Group**, and took on the challenge of contracting for the US-based **Thomson Reuters**, both onsite in Manhattan and offsite in Skopje.

Ice is a fast learner, easily grasping complex models and dependencies. Out of working hours, he constantly works to improve himself professionally and personally, participating in Open Source projects. In a mission to further improve his leadership and soft-skills he founded and led the local **Java User Group**, passionately sharing his knowledge and inspiring his industry peers.

He also has his main technical skills certified, holding the Programmer, Web and Business Component Developer certificates (SCJP, SCWCD & SCBCD). He is currently in the process of becoming an Oracle Master, through the Enterprise Architect certification.

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## KEY TECHNICAL SKILLS (top selection)

- **Java** SE & EE standards and Open Source Technologies, mainly **EJB, Spring, Hibernate**
- Proficient knowledge of client-side technologies, mainly **Google Web Toolkit & JQuery, JSF**
- Documented experience of integration approaches, mainly **SOA Web Services & JMS**
- Hands-on knowledge of **cloud platforms**, specifically **Google App Engine** with **XMPP**
- Working knowledge of **BPEL** systems and **XForms** technologies
- Deployment knowledge on Windows and Linux servers, mainly on **Tomcat & JBoss**
- Documented knowledge of solid OO approaches, GoF, Core J2EE & EAI **patterns**
- Proficient knowledge of build systems, especially **Maven**
- Working knowledge with **continuous integration** tools, specifically **Hudson**
- Fan and believer in the **Agile** methodologies, especially **Behavior Driven Development**

## 1. EMPLOYMENT

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**2011** - Polar Cape Consulting - <http://polarcape.com>

**2009 - 2011** Seavus Group (contracting for Thomson Reuters) - <http://seavus.com>

**2007 - 2009** Netcetera - <http://netcetera.ch>

**2005 - 2007** self-employed; freelance development

## PROJECTS (selection)

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### **Net1** (<http://net1.se>) - **Technical Lead**

[2011-04 to 2011-08]

Ice was given the responsibility of leading and actively participating in the implementation of two backend systems, regarding the processing of voice and data transfer sessions for various user subscriptions.

The first system, based on OpenRate, processes the output of H/W devices and prepares them for the billing system. The second system, serves as a bridge with the first system and the company's CRM, implemented in .NET propriatery technology.

During this assignment, Ice communicated frequently with the PM about the status of the project, provides designs and estimations, reviews code and oversees the work of the developers.

**Technologies:** *Java EE, EJB, SOAP Web Services, OpenRate, MSSQL*

### **Thomson Reuters** (<http://thomson.com>) - **Senior Developer** [2009-09 to 2011-03]

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Ice performed the role of a senior developer, in a distributed international team enviroment, integrating with the established team from Bangalore and management team from New York.

Ice worked on an array of complex internal interconnected systems, with his primarily responsibility of implementing features for the company's internal workflow system.

He worked as a consultant, with the first initial 6 months in New York, and the rest of the time working remotely from Skopje with the distributed team with regular daily conference calls.

During the entire time, Ice provided consultation expertise to other projects, in an on-demand fashion, and worked directly and frequently with PMs, Software Architects and VPs from the client's company. Ice regularly produced technical documents and followed processes in accordance with the company policies and processes.

**Technologies:** *Java EE, UDDI, SOA, XSLT, SAAJ, JMS, JNLP, MSSQL*

## **CSS Versicherung** (<http://css.ch>) - **Developer/Tech Lead** [2009-05 to 2009-08]

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Ice was given the responsibility of leading a group of developers in the design and implementation of an insurance based system, comprised of a core business backend layer and RIA front layer.

During this assignment, Ice worked closely with the responsible PM and performed rigorous code reviews to comply with the demanded quality of the client's technical representatives. Therefore, the project was driven by the test-driven development paradigm, with continuous-integration process in place.

**Technologies:** *Java EE, Google Web Toolkit, ExtJS, Spring, JPA, MySQL*

## **RAK Investment** (<http://rak-ia.com>) - **Developer/Tech Lead** [2008-10 to 2009-04]

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Ice was given the responsibility of leading a group of developers in implementing a generic workflow-based system, where the client can visually define his process and deploy it on a backend system.

Two workflows were implemented; the first regarding all rules and processes for processing visa applications and the second, for processing permits for investment in the UAE.

During this assignment, Ice lead the developers in the design and implementation of such a system.

This project was a pilot, first of its kind, to position the company in a new market, therefore significant responsibility was given to Ice.

He worked very closely, on a daily-basis, with PMs, from Zurich and Dubai, in order to report the status, foresee the technical-risks and provide estimations for the new requirements.

**Technologies:** *Intalio Tempo (BPEL), Java EE, Spring, AXIS, ODE, XFORMS, MySQL*

## **Menu and More** (<http://menuandmore.ch>) - **Developer** [2008-06 to 2008-09]

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Ice was responsible for developing a solution, in a team environment, that represents an online RIA webshop for placing and processing food orders. The business requirements stated that this should be done using a cutting-edge RIA technology.

Ice was given the responsibility of designing the integrating solution that will integrate our modern RIA webshop with the clients legacy backend application (that was done in .NET).

**Technologies:** *Java EE, Google Web Toolkit, Hibernate, Apache CXF, WSDL, MySQL*

**BrainGroup** (<http://brain-group.ch>) - **Developer**[2008-03 to 2008-05]

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In this individual assignment, Ice was responsible for exposing and securing a defined set of services, from an existing legacy financial module (called financial kernel) that contains all the core financial functions under which the organization operated.

To comply with the standards and promote interoperability of the exposed services, the WSDL interfaces were carefully designed and written in accordance with the WS Basic Profile 1.0 standard.

**Technologies:** *Java EE, Apache CXF, JAAS, WSDL*

**Amlaki** (<http://amlaki.com>) - **Developer**[2007-04 to 2008-02]

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Ice was responsible for designing and implementing technical solutions, based on written business requirements. The application represented a custom built real estate management system, with sections such as sale, rental, CRM and financials.

Ice joined the already ongoing development effort, as a developer and adapted to the team and the application's business rules and logic. During that time, Ice had extensive communication with his responsible PM. He was on also, on multiple occasions, presented with the tasks of justifying technical solutions to the clients.

**Technologies:** *Java, Apache Struts, Hibernate and AJAX (DWR), Oracle*

## **2. FREELANCE PROJECTS**

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**Feelix** (<http://devmindset.com/file/FeelixIMS.pdf>) - **Developer** [2005-06 to 2007-03]

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As a freelance developer, Ice was individually responsible for the complete creation lifecycle of a custom SOA based Inventory Management System, for a local business.

Ice worked independently on this turn-key solution with frequent direct communication with the client, gathering requirements, performing demos, developing features, testing them and writing the user documentation for the system.

**Technologies:** *Java, JSF with IceFaces, AXIS/SOA, WSDL, XSD, Swing, J2ME*

### **3. OPEN SOURCE INVOLVEMENT**

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#### **Lego Framework** (<http://code.google.com/p/legoframework>) - **Architect / Author**

Ice designed and developed a generic framework that aids the developers in building flexible and scalable applications based on the Google Web Toolkit technology.

Ice was invited as a guest speaker to present his framework at the Java2Days '09 international conference in Sofia, Bulgaria

**Technologies:** *Java Reflection API, Google Web Toolkit, XML, Behavior Driven Development*

#### **JUG Academy** (<http://code.google.com/p/jugmk-academy>) - **Architect / Developer**

Ice designed and developed a cloud-based application for course and student management, for the needs of the local Java User Group. XMPP was used as interoperable alternative than RMI/JMS to send commands/events from my IM to the application that was listening on those channels.

To share his experience with the attractive cloud based technology, he was invited to speak about it at the Java2Days '10 international conference in Sofia, Bulgaria

**Technologies:** Java EE, Spring, Google App Engine, XMPP, Behavior Driven Development

#### **Cloud CMS** (<http://code.google.com/p/cloud-cms>) - **Architect / Tech Lead**

Under the JUGMK Summer of Code initiative, Ice lead student volunteers from the local Java community, who are willing to learn Java the practical way.

The subject of development is a lightweight cloud-based Java CMS, that will be used for the management of the website of the Java User Group.

**Technologies:** Java EE, Spring, Google App Engine, Behavior Driven Development

#### **4. ACADEMIC EDUCATION**

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Faculty of Electrical Engineering and Information Technologies, Macedonia

- **BSC in Computer Science and Automation**

#### **5. PROFESSIONAL CERTIFICATION**

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- Sun Certified Java Programmer (SCJP)
- Sun Certified Java Web Component Developer (SCWCD)
- Sun Certified Java Business Component Developer (SCBCD)
- Oracle Master, Enterprise Java Architect (Part 1 passed, *assignment in progress*)

#### **6. PERSONALITY TRAITS**

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- balanced individual, always thinking strategically and long-term
- committed to quality and smart choices
- can exhibit critical calming leadership when most needed to technical people
- enjoys sharing his knowledge in effective ways
- 'business-driven' mindset; identifies business goals and aligns with them
- understands the work-life balance need; plays the bluesharp in his free time