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| PERSONAL INFORMATION |  |
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| First name and surname | **Hrvoje Topolovac** |
| Address | Plohi 11, 10431 Sveta Nedelja, Croatia |
| Mobile | +385 (0)99 26 17 607 |
| E-mail | htopolovac@gmail.com |
| Date and place of birth | 17.02.1987., Zagreb |
| Nationality | Croatian |
| Gender | Male |
| Marital status | Married |
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| EDUCATION AND TRAINING |  |
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| Date | October 2009. – July 2011. |
| Title of qualification awarded | MEng C. E. – Master of engineering – Civil Engineer |
| Name and type of organisation providing education and training | Department of Transportation, Faculty of Civil Engineering, University of Zagreb |
| Master thesis | Railway line „Slano-Čilipi“ – digital terrain model, alignment and turnout design using Bentley Power Rail Track |
| Mentor | Prof. Stjepan Lakušić, PhD |
| Defended on | 7th July with highest honors |
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| Date | October 2005 – September 2009 |
| Title of qualification awarded | BEng C. E. – Bachelor of engineering – Civil Engineer |
| Name and type of organisation providing education and training | Faculty of Civil Engineering, University of Zagreb |
| Graduation thesis | La Manche railway tunnel |
| Mentor | Prof. Stjepan Lakušić, PhD |
| Defended on | 15th September |
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| Date | 2001. – 2005. |
| Name and type of organisation providing education and training | A.G. Matoš Gymnasium, A. Hebranga 26, 10430 Samobor |
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| **PROFESSIONAL EXPERIENCE** |  |
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| Date | 17th October 2011. - still working |
| Occupation or position held | Junior engineer – road and rail designer |
| Name and address of employer | Željezničko projektno društvo – Railway design office (Ž.P.D. d.d.), Trg kralja Tomislava 11/II, 10 000 Zagreb, Croatia |
| **Projects involved in** |  |
| Detailed design of railway renewal “Gomirje - Moravice” on Vb international corridor | Creating and editing 3D digital terrain model with importing surveyed data. Creating new 15 km long horizontal and vertical alignment using regression analysis. Creating detailed cross sections using software and computing volumes. Solving drainage of open track and on Gomirje and Vrbovsko stations. Updating cross sections with detailed data. |
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| Preliminary rail project “Ogulin – Škrljevo - Rijeka” | Setting a second track next to existing with some significant deviations through urban section of city Rijeka and creating a new alignment on “Ogulin – Škrljevo” section for greater speeds up to 120 km/h on Vb international railway corridor in Croatia. Reconstruction of main freight and passenger stations with detailed turnout plans. Computing volumes and cost estimates. Evaluating and solving critical cross sections in city of Rijeka. |
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| Road overpasses and local road intersections on railway line “Dugo Selo – Križevci – Botovo – State border” | Main design of road overpasses and connecting roads, pavement design, intersection and superelevation design with detailed drainage design and traffic solutions. |
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| Reconstruction of railway line “Sesvete – Dugo Selo” | Setting a new reconstruction alignment based on current alignment using Bentley Power Rail Track software. |
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| Reconstruction and upgrade of railway line “Dugo Selo – Križevci – Botovo – State border” | Setting a railway maintenance roads and ditches, making plan, profile and cross sections, calculating earthworks and roadway cost calculations using Bentley Power Rail Track software. |
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| Reconstruction and upgrade of international railway line ”Dugo Selo - Novska” | Setting an alignment of railway road overpasses and underpasses with other maintenance and connecting roads, making plan, profile, cross sections using Bentley Power Rail Track software. |
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| Date | October 2011. – February 2012. |
| Occupation or position held | Part time assistant |
| Name and address of employer | Faculty of Civil Engineering, University of Zagreb |
| Main activities and responsibilities | Part time assistant in “Railway design and construction” lectures |
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| Date | February 2011. – June 2011. |
| Occupation or position held | Student assistant |
| Name and address of employer | Faculty of Civil Engineering, University of Zagreb |
| Main activities and responsibilities | Student assistant in “Railway track” lectures |
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| Date | October 2010. – February 2011. |
| Occupation or position held | Student assistant |
| Name and address of employer | Faculty of Civil Engineering, University of Zagreb |
| Main activities and responsibilities | Student assistant in “Railway design and construction” lectures |
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| Date | April – October 2008. |
| Main activities and responsibilities | Data entry and structure surveying - student job |
| Name and address of employer | Croatian Institute of Civil Engineering, Janka Rakuše 1, 10000 Zagreb |
| Type of business or sector | Working on software “Structure maintenance system” |
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| **PERSONAL SKILLS AND COMPETENCES** |  |
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| **Languages** | Croatian – mother language |
|  | English – independent user in understanding, speaking and writing |
|  | German – beginner, studying in process |
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| **Computer skills and competences** | Advanced user - Bentley Power Rail Track, Microstation, AutoCAD, Microsoft Office  Basic User - Bentley MxRoad, Cadics, Geostudio, Lima, ArmaCAD, SAP |
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| **Social skills and competences** | Good communication skills, team working, ready for improving professional skills and knowledge. |
| Technical skills and competences | Attended CETRA 2010, International Conference on Road and Rail Infrastructure, and Transportation Days 2008. - 2012., National Conference on Road and Rail Infrastructure |
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| Personal interests | Sport – mountaineering, football, cycling. |
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| Driving license | B – personal car |

**Signature**

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