

PERSONAL INFORMATION



CATALIN FLORIN BAILESCU

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Sex M | Date of birth 12/06/1990 | Nationality Romanian

STUDIES APPLIED FOR

Education

WORK EXPERIENCE

Replace with dates (from - to)

Design Department Manager (October 2018 – Present)

Global Technical Group (26 Frunzei Street, Bucharest, <http://global-technical.com>)

Tasks And duties:

- Work with sales team to provide responses for functional and technical RFP questions
- Identify client requirements, determine scope, and develop proposals
- Prepare drawings from preliminary phase to design development phase
- Coordinate with supplier to get competitive pricing information
- Prepare tender documents: quotations, BOQs
- Compile letter of order, tender schedules, program, and other items required by the tender
- Prepare AutoCAD drafting (Riser diagrams related to the tender submission)
- Prepare Low Current calculations and schedules
- Coordinate with Other Trades (Mechanical, Civil, Architects, etc...)
- Develop quantity surveys and cost estimation
- Conduct site inspections and supervision when needed
- Work with technical support to ensure successful delivery of products/ solutions to customers
- Provide the implementation team with all necessary documentation for the successful completion of the project
- Provide technical assistance to project execution team (Programming, shop drawings...)
- Assist in testing and commissioning when needed
- Manage projects execution as assigned

Employer's name and locality (=place of business) (if relevant, full address and website)

Systems Design Engineer (October 2013 – October 2018)

Avitech Romania (Bd. Pipera 1B, Cubic Center Et. 7, <https://www.avitech.ro/>)

As a System Design Engineer, I have the following main responsibilities:

- To provide Fire alarm systems, Security, CCTV and associated telecom/ networking infrastructure designs and specifications to relevant National and International Standards
- To design and implement Fire alarm systems, CCTV, and security designs, in accordance with relevant statutes and codes and to do so in accordance with industry best practice.
- Act as the specialist Fire alarm systems technical liaison with the implementation team, this position is based at the site offices with visits to the job site location to support the role and tasks. Also support other disciplines of the project in various project office locations.
- Produce high level and detailed design technical documentation, including CAD drawing review and development. Including construction documentation.
- Input into the functional, performance and operational system specifications.
- To be responsible and accountable for the proposed integrated technical solutions design across various subcontractors and subsystem solutions.
- Support the Design Team Lead in understanding the technical risks, dependencies and issues that exist and be able to quantify these and the impact that they may have on the project in a concise legible reporting format.
- Ensure that all project specifications are implemented in the technical solution and are compatible with the project's overall architecture including structured cabling and OSP. Identify all compliance issues with recommended resolution options.
- Meet and discuss with client, end users and other stakeholders.
- Research and disseminate knowledge of existing, new, and proposed products and services available within the marketplace.
- Develop professional relationships with the client by demonstrating an understanding of their business and their technology requirements and achieving reliable, timely and high-quality delivery.

Project Engineer (August 2011 – October 2013)

Athenaeum Construct (9, Marinescu Stefan, Bucharest <http://www.athcon.ro/>)

The role of the project engineer can often be described as that of a liaison between the project manager and the technical disciplines involved in a project. The project engineer is also often the primary technical point of contact for the consumer. Typical work activities include:

- Designing the layout of lighting, power, fire alarm, security, and CCTV
- Assessing whether a site is suitable for construction
- Identifying the materials and equipment to be used in the various systems.
- Drawing up plans, writing briefs and reporting on progress.
- Carrying out tests on systems and making changes to plans where necessary.
- Monitoring the installation of systems and managing their maintenance once the building is completed.
- Negotiating contracts with clients, particularly in consultancy work.
- Liaising with technicians, electricians, surveyors, architectural technologists, and other construction professionals.
- Giving presentations and writing reports highlighting the practical implications of the architect's designs.
- Promoting energy efficiency and other sustainability issues.
- Managing teams of people.

EDUCATION AND TRAINING

Replace with dates (from - to)

PhD – Civil Engineering and Building Services (2015-2020)

Technical University of Civil Engineering of Bucharest

MSc - Building Services, Building Energy Efficiency (2013-2015)

Technical University of Civil Engineering of Bucharest

BSc - Building Services (2009-2013)

Technical University of Civil Engineering of Bucharest

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	C1	B2	B2
French	A2	A2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- team spirit, by participating in the process of carrying out a project (concept, authorizations, implementation of changes, printing, delivery)
- good communication skills, acquired after the design sessions and the presentation of the various solutions to the beneficiary

Organisational / managerial skills

- leadership (currently responsible for a team of 6 people)
- good organization of working time
- punctuality
- the ability to work efficiently under pressure
- adaptability

Job-related skills

- good command of design department (currently responsible for managing the LV/ELV designers)
- analytical thinking and attention to detail
- responsibility

Computer skills

- good command of Microsoft Office™ tools
- competent digital certificate
- good command of Autodesk tools – AutoCAD 2D/3D & Revit

Other skills

- adaptability to challenges and unforeseen situations

Driving licence

- B

ADDITIONAL INFORMATION

Publications	4 relevant publications in journal indexed in BDI.
Conferences	3 conference publication indexed Web of Science
Projects	Over 300 projects in the country and abroad successfully completed. For these projects I designed sound systems and weak current systems, or I coordinated the design team
Courses	Schrack, Bosch, Siemens, Honeywell training course for sound system and low currents systems
Certification	Security Systems Designer (ARTS)
About me	- I consider that ambition, perseverance and passion for sound systems and low currents differentiate me from others. - I think of myself as a devoted person and can get fully involved to obtain the best results.

ANNEXES

List of documents publication:

- Daniel Pavel, Catalin BAILESCU, Vlad IORDACHE, Masurari experimentale de timp de reverberatie intr-o sala de conferinte, Romanian Journal of Building Services, Volumul 2, Numarul 1, Bucuresti, 2015, Indexat în BDI: Google Scholar, Bucuresti, 2015 Link: http://www.rjbs.ro/Scientific%20article_PAVEL.pdf
- Catalin BAILESCU, Vlad IORDACHE, Florin IORDACHE, Adrian MARIN, Experimental investigation of the relationship between noise level and thermal power inside the boiler plant – Study case, Vol. 15-No. 1: 1-10-2019 ,Doi: 10.2478/mmce-2019-0001, Indexat în BDI: ProQuest, Ebsco, Google Scholar, Journal Seek, Ulrich's Periodicals; Bucuresti, 2019, Link: <http://mmce.rs.utcb.ro/images/doc/2019/mmce-volume15-0001.pdf>
- Catalin BAILESCU, Vlad IORDACHE, Influence of the acoustic insulation position on the reverberation time and noise level in a large classroom, Revista Romana de Inginerie Civila, Volumul 10 (2019), Numarul 1, Indexat în BDI: ProQuest, EBSCO, INSPEC, INDEX COPERNICUS, ULRICH'S și JOURNALSEEK, Bucuresti, 2019 Link: <http://www.rric.ro/arhiva.php>
- Catalin BAILESCU, Vlad IORDACHE, Experimental analysis of the noise produced by burners inside a boiler plant in an educational building, Revista Romana de Inginerie Civila, Volumul 12 (2021), Numarul 1, Indexat în BDI: ProQuest, EBSCO, Ulrich's, Google Scholar, Crossref, TDNet, JournalSeek, WTI tema, INSPEC, Index Copernicus și DRJI., Bucuresti, 2020, Link: <http://www.rric.ro/arhiva.php>
- Catalin BAILESCU, Tiberiu CATALINA, Vlad IORDACHE, Studies on acoustic comfort in a passive house, Clima 2019, E3S Web of Conferences 111, 02073 (2019), Indexat in ISI: the Keepers, Road, Doaj, Crossref, Mirabel, Link: https://www.e3s-conferences.org/articles/e3sconf/abs/2019/37/e3sconf_clima2019_06080/e3sconf_clima2019_06080.html
- Catalin BAILESCU, Vlad IORDACHE, Tiberiu CATALINA, Optimal cost-efficiency solution of acoustic treatment for a complex meeting room, Clima 2019, E3S Web of Conferences 111, 02073 (2019), Indexat in ISI : the Keepers, Road, Doaj, Crossref, Mirabel, Link: https://www.e3s-conferences.org/articles/e3sconf/abs/2019/37/e3sconf_clima2019_02073/e3sconf_clima2019_02073.html
- Catalin BAILESCU, Vlad IORDACHE, Experimental investigation on the sound pressure level for different acoustic treatment of boiler rooms, The 30th Conference BSEE2020, DOI: 10.2478/9788395720413-003, Iasi, 2020, Indexat in ISI: Web of Science (ISI-Thomson), SCOPUS,Link: <https://content.sciendo.com/view/book/9788395720413/10.2478/9788395720413-003.xml>