Thomas Dumez

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Profile

I am a **Software Developer** with a Bachelor of Science Degree in Information Systems, and I have over 3 years of experience using programming languages including *C, Java,* and *JavaScript*. I have recently completed two courses about *Amazon Web Services (AWS)* and back-end technologies like *Node.js, Express.js*, and *MongoDB.*

Summary of qualifications

- Over 3 years of experience working as a Software Developer on complex projects and systems
- Skilled at researching, reviewing, and using data and technical information to design, build, test, and deploy software code and systems
- Proficient at collecting and documenting user requirements, and testing software designs to ensure functionality and good user experience
- Experienced at developing, managing, and using relational or non-relational databases like *MySQL* or *MongoDB*
- Skilled at planning, designing, and coordinating software development, installation, integration, and operations of computer-based systems
- Experienced at formulating and executing improvements to various computer software applications
- Demonstrated experience solving difficult technical problems
- Strong code writing ability across several platforms and environments
- Extensive experience in multithreading/parallel programming

Technical knowledge and skills

- *Programming languages:* C, Java, and JavaScript
- *Frameworks:* Express.js in Node.js
- *Databases:* SQL (MySQL) and NoSQL (MongoDB, DynamoDB)
- *User Authentication:* Basic Authentication, JWT Based Authentication, and OAuth
- *Other:* HTML5, CSS3, Jakarta EE, REST API, JSON, Git, and GitHub
- *Applications:* MS Visual Studio Code, Eclipse, NetBeans, Postman, and MS Office
- *Operating systems:* Windows and Linux

Education

Bachelor of Science in Information Systems (Specializing in Industrial Computing) 2013
HEPL - Haute Ecole de la Province de Liège, Liege, Belgium

Licenses and certifications

AWS Cloud Technical Essentials 2022
Amazon Web Services (AWS), Coursera

Server-side Development with NodeJS, Express and MongoDB 2022
The Hong Kong University of Science and Technology, Coursera

Relevant work experience

Software Developer 2013 to 2016
Visio Ing Consult, Hannut, Belgium

- Developed a new computer vision software application which was capable of complex image processing for industries and production lines
- Performed research on computer vision algorithms associated with the computer vision software application
- Took part in a *FULLCTRL* research project in partnership with Wallonia which was aimed at developing a fully automatic and universal control unit for diverse and varied plastic or metal parts
- Wrote, modified, integrated, and tested software code for various software applications and products
- Maintained existing computer programs by making modifications as required

- Identified and researched various technical problems with software and communicated feasible solutions to solve those issues to the team
- Assisted in collecting information about user requirements and documenting the user requirements
- Supported in the development of logical and physical specifications and documented the information
- Prepared various technical reports and manuals on the status, operation, and maintenance of software applications

Software Developer Intern   2013
CISTER, Porto, Portugal
- Implemented a Work Stealing Scheduler in a real-time operating system which could distribute the scheduling of work over idle cores

Other work experience

Ski Instructor   2021 to Present
Whistler Blackcomb, Whistler, BC
- Supervising a group of children for the day on Whistler Mountain in a variety of activities including instruction, safety, lunch, and special events
- Performing morning registration, set up and afternoon clean-up duties as assigned
- Providing written and verbal communication on each child's day to their parents at the completion of each lesson
- Following the guidelines and safety rules as outlined in the Safety Manual
- Being responsible for the physical, mental, and emotional needs of all children in your care
- Acting as a prudent parent in the absence of the child's parent

Chef De Partie   2017 to Present
Nita Lake Lodge, Whistler, BC
- Preparing, cooking, and presenting high quality dishes within the specialty selection
- Assisting the Sous Chef with daily tasks including creating menu items, recipes and developing dishes, and estimating the daily production needs of the kitchen
- Assisting the management team with various health, safety, and food hygiene practices
- Overseeing the maintenance of the kitchen and food safety standards
- Guiding and training new staff team members in safety procedures and kitchen practices, and ensuring effective communication between staff members

Events Host Volunteer   2017 to 2018
Whistler Blackcomb, Whistler, BC
- Entertained multiple guests who came to the mountain by engaging with them in various activities

Cost Estimator – Planner   2009 to 2011
Dauvister, Stavelot, Belgium
- Estimated and quoted prices for various projects and tracked invoicing and accounts receivable
- Provided technical support to salespeople on various computer issues
- Answered in-coming telephone calls and directed messages using a multi-line telephone system
- Supported customers via email by answering questions about the company
- Supported and scheduled up to 20 skilled construction workers at a given time
- Monitored construction materials stock
- Supervised the construction efforts and projects at various sites