

# RICARDO BURGOS LARA

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Amsterdam, NL

## SUMMARY

Seeking to bring expertise and passion for software development to a forward thinking organization. Eager to be part of a team that brings software solutions that positively impact people's lives. Excited to meet people who share interests and passion for technology.

## EDUCATION

**Oct. 2022** – BSc. Computer Science. Data Science minor – [Vrije Universiteit Amsterdam](#), The Netherlands.

**Oct. 2008** – BSc. Civil Engineering – [Universidad Centroamericana José Simeón Cañas](#), El Salvador.

## WORK EXPERIENCE

### SaaS JUNIOR DEVELOPER

**CureFlow B.V.** | The Netherlands | June 2023 to May 2024.

- Frontend and backend (low-code) developer. PodoFlow, a cloud management system for podology and foot therapy practices.

### TEACHING ASSISTANT, MACHINE LEARNING COURSE

**Vrije Universiteit Amsterdam** | The Netherlands | Feb. to Apr. 2022

- Conduct tutorial sessions, Q&A and academically assist students. Review and grade student's projects.

### CIVIL/STRUCTURAL ENGINEER

**Multiple job experiences** | El Salvador | 2007 to 2018

- Information available upon request.

## COMPUTER SKILLS

- Thesis: "Neural Machine Translation from English questions to SPARQL queries". Research project consisted in testing and comparing different Deep Learning architectures to effectively translate questions from natural language to a query language for retrieving information from the semantic web.
- Operating Systems: Windows 10/11 and Linux (Ubuntu, Debian, Slackware).
- System programming: UNIX shell including Inter Process Communication; memory allocator; virtual file system in user space based on FUSE; key-value storage implementing concurrency; JVM Instruction Set Architecture in C; Web sockets implemented in C++.
- Game programming: Snake and Tetris implementing functional programming concepts, Fantasy Football online game implemented in Java using RESTful API to retrieve online data.
- Microsoft Office advanced user (Word, Excel, PowerPoint, Access, Outlook and Project); LibreOffice; Google docs.
- Programming languages:
  - Microsoft .NET platform: Visual Basic, C#.
  - VBA for Excel.
  - C / C++ 11.
  - Java.
  - Functional programming: Scala, Julia, IJulia.
  - Python, iPython (Pycharm / Jupyter Notebooks), Anaconda.
  - Web: HTML 5, CSS 3, JavaScript, PHP, REST API.
  - Relational Databases and DBMS: SQL, MySQL, MySQL Workbench.
  - Statistical Languages: R, rstudio, statsmodels.
  - Other languages: json, xml.
  - Low-code: Appian 2023.X
- Version Control Systems: Git, Github, Bitbucket.
- Agile software development tools: Atlassian Jira.
- Virtualization and containers: VirtualBox, Docker.
- UNIX/Linux tools: bash (scripting), zsh, grep, awk, find, tar, gzip, gdb, gcc, llvm, valgrind, vim, etc.

- Advanced use of numeric/scientific software: Matlab/Octave, Scilab, numpy, scipy, Julia.
- Machine Learning / Deep Learning frameworks: TensorFlow, PyTorch, Scikit-Learn.
- General knowledge of LANs, wireless (Wi-Fi) networks, TCP/IP protocols.
- General knowledge of computer hardware and peripheral configuration.

## LANGUAGES

- **Spanish:** Native
- **English:** Advanced – (CERF C1)
- **Italian:** Advanced – (CERF C1)
- **German:** Beginner – (CERF A2)
- **Dutch:** Beginner – (CERF A2)

## COMPETENCIES & SKILLS

- Versatile, fast learner. Integrity and strong ethical principles. Propositive and cooperative. Self-driven, self-motivated, focused on goals and results. Adaptable and resilient. Friendly and respectful to others' opinions.

## COURSES, SEMINARS & TRAININGS

- **MACHINE LEARNING COURSE** – Dec. 2021, Stanford Online / Coursera (online)
- **UP AND RUNNING WITH VI** – Oct. 2016. Lynda.com (online)
- **LEARN THE LINUX COMMAND LINE: THE BASICS** – Aug. 2016. Lynda.com (online)
- **UP AND RUNNING WITH GNU OCTAVE** – Jun. 2016. Lynda.com (online)
- **MICROSOFT PROJECT AND ITS APPLICATIONS TO PROJECT MANAGEMENT** – Feb – Mar.2013, UCA, El Salvador.
- **APPLICATION DEVELOPMENT WITH MICROSOFT VISUAL BASIC .NET** – Dec. 2007, UCA, El Salvador.

## REFERENCES

Please feel free to contact anyone in the following list if you require professional/personal references.

### **Gernot Tomsits**

General Manager

[CureFlow B.V.](#) Utrecht, Netherlands.

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### **Peter Bloem, PhD.**

Assistant Professor, Faculty of Science & [Network Institute](#)

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### **Walter M. Salazar Guerra, PhD.**

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### **Raúl E. Avelar Morán, Ph.D., P.E., PMP**

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