



# GAYANE MARGARYAN

*Doctor of Medicine*

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**Job titles:** Website Administrator. Full Stack Web Developer. Data Visualization Specialist.

Clinical Data Manager. Health Data Analyst. SNOMED CT Implementation Specialist.

**LANGUAGES** English intermediate, Russian and Armenian fluent

## PROFESSIONAL SKILL / QUALIFICATIONS

**Web Hosting Administration:** Windows, Ubuntu, RedHat, VPS, Amazon EC2, VPC, Apache, MySQL Community Server, MariaDB, FTP/SFTP, SSH, PuTTY, PHPMyAdmin, MySQL Workbench... Cloudflare, Shared Hostings: WHM. Cpanel

- **Web Development:** HTML5, CSS3, JavaScript, PHP, Python, MySQL PHPjgraph, PHPExcel, JQuery, JQ Mobile, Bootstrap JS, JQ dataTables, amCharts JS, JSON, XML, OWL, WML, MathML, SWF, SVG, Microformats/Microdata. Google Services, Google Webmasters/ AdSense/ AdWords/ Analytics /Website/Docs/Calendars/Books/Maps/SQL/...Facebook Social Plugins, Mailing Lists. Ebay and Affiliate programs.
- **Data Analysis & Visualization:** Tables, lines, columns, pie charts, image galleries, image maps with Python, PHP and MySQL, Excel, JavaScript. Tableau, Electronic elections monitoring program.
- WordPress Development.
- **Electronic Medical Records** administration and development. OpenEMR. REDCap.
- Unified Medical Language System. **Medical Terminology** mapping, **SNOMED CT implementation** (SNOMED CT Browser, SnowOWL, Description logic. Protege. DL reasoner FACT++. B2i Healthcare).
- **Educational LMS.** SCORM. Tests, crosswords, puzzles design.
- **Graphic design:** Ulead PhotoImpact. Adobe Photoshop & Flash, Adobe Premier.
- Search Engines Optimization. Google. Yahoo. Yandex. Web Metrics. Web Analytics.
- Written translation of **medical texts** from English to Russian.

## WORK EXPERIENCE

### 2016-2018

Self-Employed. Web Server Administrator, Web Developer, MySQL DBA, Data Analyst  
[www.doctor.am](http://www.doctor.am), [www.electionscount.info](http://www.electionscount.info), [www.medindex.am](http://www.medindex.am), [www.museum.am](http://www.museum.am), [www.hostdesign.info](http://www.hostdesign.info)...

### 2012-2017

Transparency International Anti-Corruption Center. <http://elections.transparency.am>

MySQL Database Administrator. Full Stack Web developer.

Responsibilities include: Hosting and database administration. Website development, design.

- Developing of page templates, galleries, diagrams, charts, graphics, Web site maps and other visual representations of information, that meet project goals, user needs, industry standards.
- Developing of databases to store electronic data that support 5 electronic monitoring web sites 2012-2017.

### 2007-2012

- SEO (Search Engines Optimization) . Web Publisher in Google Inc., USA AdSense Program, advertising
- Affiliating with U.S. National Library of Medicine, NIH, HHS. Development of Multilingual glossary UMLS on website with search, filtering, sorting, linking, mapping.
- Affiliating LOINC Regenstrief Institute, USA. LOINC-SNOMED glossary on website, linking, mapping.
- Development of Internet shops, based on ShopXML Affiliate Partnership and e-Commerce Solutions
- Election monitoring website <http://election.medindex.am>

**2005-2007** “Armat” LTD and “Neurohereditary Diseases” Charity Association (Armenia).

Web designer. Web Programmer. Internet catalog of health professionals.

### 2003-2018

Owner of websites. Author, manager of web projects. Award WSA2005 of the nomination of e-health.

Web Development, MySQL DBA, <http://www.doctor.am>, <http://www.medindex.am>, <http://www.museum.am>

## 2003-2005

LTD "Web Soft Technologies." Web designer. Web Programmer. Website Administrator.

Development of websites for webdesign company, tax service, job agency, real estate company, car rental service, hotels guide, educational firm, childrens magazine in HTML, JavaScript, Flash, PHP, MySQL ...

<https://web.archive.org/web/20040828135737/http://harker.am>

<https://web.archive.org/web/20051104233534/http://www.websoft.am> and other

## 1999-2003

LTD "Phonet". Internet Provider in Armenia.

Hosting Administrator. Web designer/Programmer. Website Administrator.

- Administration of IIS (Internet Information Services) on the Windows Server.
- Develop website for company on ASP, HTML4, JavaScript .
- Develop database management system in Microsoft Access, configure user interfaces, access profiles in website.
- <https://web.archive.org/web/20020804223006/http://www.interline.am>

LTD "Interline". Internet Provider in Armenia. Director.

- Develop and manage annual budgets for information technology projects.
- Implement electronic document processing in collaboration with other information technology specialists.

## 1996-1999

Physician in the Republican Scientific Center of Radiation Medicine and Burns.

Residency in the National Institute of Health of Armenia.

- Processing of clinical data, including data entry, verification and analysis. Discussing with other surgeons the nature of the surgical procedures, including operative consent, diagnostic, laboratory data...Recording of surgical procedures.
- Examination and treatment of patients, providing assistance to surgeons in the departments of the General surgery, Plastic and Reconstructive surgery. Burn surgery.

## EDUCATION

1987-1993. Yerevan State Medical Institute after M. Geraci (YSMU). 9087+ hours

Diploma. Qualified as Doctor of General Medicine.

## CERTIFICATION / LICENSES / AWARDS *Online skills preview*

2018. SNOMED CT Content Development Theory Course. ID: 0e170250-31fa-11e8-a0b1-3b6b1da3eba4

<https://elearning.ihtsdotools.org/mod/simplecertificate/verify.php>

2018. Design and Analyze Secure Networked Systems by University of Colorado System.

<https://www.coursera.org/account/accomplishments/certificate/TB8TRY983B6X>

2018. Secure Networked System with Firewall and IDS by University of Colorado System.

<https://www.coursera.org/account/accomplishments/certificate/J5HYUQDKFAJS>

2017. Clinical Terminology for International and U.S. Students by University of Pittsburgh.

<https://www.coursera.org/account/accomplishments/certificate/LL8PKPLQGPB7>

2017. Data Management for Clinical Research by Vanderbilt University.

<https://www.coursera.org/account/accomplishments/certificate/LBL9JPB2Y4D9>

2017. Introduction to Data Science in Python by University of Michigan.

<https://www.coursera.org/account/accomplishments/certificate/8SLSTVM9BD2N>

2017. Applied Plotting, Charting & Data Representation in Python by University of Michigan.

<https://www.coursera.org/account/accomplishments/certificate/ME23UHAH9DG6>

2017. HI-FIVE: Health Informatics For Innovation, Value & Enrichment by Columbia University.

<https://www.coursera.org/account/accomplishments/certificate/YRQ8NU92BZZE>

2017. SNOMED CT Implementation Course. Certificate ID: 971eae90-1cfa-11e7-b441-a5f7158dbe56

<https://elearning.ihtsdotools.org/mod/simplecertificate/verify.php>

2015. SNOMED CT Foundation Course. Certificate ID: c18c6ca0-a334-11e5-9a3e-8992e55fdb85

2011. International English Language Testing System (IELTS). Overall Band Score 5.0

2008. UMLS National Library of Medicine of USA affiliate license.

2008. LOINC Development Team. Regenstrief and IHTSDO. Affiliate.

2005. Award of the nomination of e-health "MASHTOTS 1600". www.doctor.am represented Armenia at the Word Summit Award (WSA) in 2005 and was selected in Top 10 of e-health.

[http://www.irfd.org/events/wf2005/bios/margaryan\\_gayane.htm](http://www.irfd.org/events/wf2005/bios/margaryan_gayane.htm)

1996-1999. Certificate of Combustologist. Residency in the National Institute of Health of RA.

1993-1994. General Practitioner Doctor. MC "Armenia." Certificate Number V-27