

Daniel Gómez

Group Lead / Software developer / Search Specialist

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HIGHLIGHTED EXPERIENCE

Klarna— Accountable Group Lead

JULY 2024 - PRESENT

Responsible for Klarna's Search & Compare group. Coordinator and decision maker for all work related to the pre-purchase Shopping Experience in the Klarna app and websites. Expanded to 7 additional markets, moved traffic growth on core market from -10% to +20% YoY by AI Content generation, integrated and built a Store directory with Partner data from other departments and revamped campaign pages. Lead over 8 teams of App, Web, Backend engineers and Content Managers. Strategy, E-commerce, Leadership, Reporting, Google Analytics, Amplitude, Data modeling, OpenAI

Klarna— Lead Engineer

APRIL 2022 - JUNE 2024

Product owner and Engineering Manager of the Search Engine team. Building the ground blocks for users to find products, deals, or anything related to the Shopping Experience in the Klarna app or websites. Successfully merged 2 teams and took over ownership of additional search services in the organization (Store search and Semantic Product Search). Introduced Data Scientists into the team. Build product recommendations in Klarna's ChatGPT plugin and support Klarna's product recommendations AI Assistant. Accountable lead for the team, organizing work, synchronizing big initiatives within the organization. Elasticsearch, AWS, Java, Maven, Consul, Nomad, Kafka, Kibana, Grafana, Gitlab, Prometheus, Docker, Python, OpenAI

Pricerunner — Backend Tech Lead

MAY 2021 - APRIL 2022

Tech lead of the development team working with the core search and navigation functionality, popularity system and user behavior analysis. Leading development and designing solutions. Main elasticsearch expert in the company, advocating for its use and sharing knowledge among all development teams.

Pricerunner — System software developer

MARCH 2018 - MAY 2021

TRAINING

Elasticsearch Engineer I & II
September, 2019

Information modeling
September, 2016

Solr Unleashed & Solr Under the Hood
October, 2012 & March, 2015

3DS CloudView & OnePart
November, 2013

PUBLICATIONS

Klarna's ChatGPT Plugin

Close collaboration with OpenAI

<https://www.klarna.com/international/press/klarna-brings-smooth-shopping-to-chatgpt/>

Relevance in the wild

Lucene/Solr Revolution 2017
<https://www.slideshare.net/lucidworks/relevance-in-the-wild-daniel-gomez-villanueva-findwise>

Problem with SSL subject matching in Apache's

HttpClient - Blog post
<https://medium.com/pricerunner-tech/problem-with-ssl-subject-matching-in-apaches-httpclient-48b196931772>

Solr vs Elastic - Blog post

<https://findwise.com/blog/solr-or-elasticsearch/>

Developer of the core search and navigation functionality, popularity system and user behavior analysis.. Generation of data reports for PR and media articles.

Elasticsearch, Java, Spring, Maven, Consul, Nomad, Kafka, Kibana, Grafana, Gitlab, Prometheus, Docker, XAP Gigaspaces, Python

LANGUAGES

English, Swedish, Spanish - Proficient

Russian - Beginner

Hennes och Mauritz H&M — *System software developer*

AUGUST 2014 - DECEMBER 2017

Evaluated different search platforms and built a search platform. Led a team of 6 developers to support and develop several systems. Developed several applications to visualize relevant information for manufacturing capacity controllers.

Elasticsearch, .NET, ASP.NET MVC, .NET Core, Knockout, Azure Cloud Service, Azure AD, SQLServer, Exalead CloudView, Angular 2, TeamCity, Octopus Deploy, PowerShell

Forsmarks Kraftgrupp — *Software developer*

AUGUST 2015 - MARCH 2016

Build a UX focused friendly application to have access and navigate information from more than 5 systems including several millions technical documents and incident reports.

Elasticsearch, .NET, ASP.NET MVC, Knockout.

Försäkringskassan — *Machine Learning Software developer*

MARCH 2013 - OCTOBER 2013

Implementing search for internal tools used by call support to find insurance documents. Implementation of a connector that gets, processes, splits by chapters, classifies using machine learning, and finally indexes long PDF files.

Apache Solr, Tika, PDFBox, Mallet, Java, SharePoint 2010, PDF

Stockholms Stad — *Software architect*

OCTOBER 2012 - AUGUST 2014

Implementing advanced search for Stockholms Stad intranet using FAST ESP and later on migrating to Solr using the extended functionality of custom components around it (developed in .NET Framework).

FAST ESP, Apache Solr, Java and .NET

MISCELLANEOUS EXPERIENCE

Findwise — *Software developer / Search technology specialist*

OCTOBER 2012 - MARCH 2018

Develop and support search platforms.

Skolverket, Norrköping Kommun, Svensk Byggtjänst, Nokia Devices, Riksarkivet, Tradera, Uppsala Universitet, Eskilstuna Energi och Miljö, Riksarkivet, Manpower Group, Mekonomen

Findwise — Search auditor / Technology healthcheck

OCTOBER 2012 - MARCH 2018

Evaluate search technology system and recommend adjustments or alternative architectures

IF Skadeförsäkring, Systembolaget, Klarna, Visma Commerce, Sectra

Findwise — Search technology instructor

OCTOBER 2012 - MARCH 2018

Customized search technology trainings: Svensk byggtjänst, Riskarkivet, eClerx, Netcentric, Systematic, Kisti
Official Solr Training by Lucidworks: Stockholm, Copenhagen, Barcelona, Amsterdam

EDUCATION

Royal Institute of Technology, Stockholm — Information and Communication Systems Security

AUGUST 2010 - OCTOBER 2012

Main courses: Computer and Network Security, Security Management, Network Management, Network Algorithms, Advanced Internetworking, Internet search and Business Intelligence. Master Thesis: Secure Email Application on a Cloud Portal.

Polytechnic University of Madrid, Madrid — Computer Engineering

SEPTEMBER 2006 - JUNE 2010

Main courses: Computer Structure and Architecture, Software Engineering, Operating Systems, Data Structures, Networking, Numerical Analysis, Artificial Intelligence, Databases, Compilers...

Abundant practical group assignments. Honoric Mention on Discrete Mathematics, Foundations of Computer Hardware, Systematic Program Development and Computer Technology.

PAPERS (AVAILABLE ON REQUEST)

- Secure Email Application on a Cloud Portal (2012) - <http://www.diva-portal.org/smash/get/diva2:578880/FULLTEXT01.pdf>
- Data storage in Cloud computing Service comparison (2011)
- Use of RFID, a systemic-holistic approach (2010)
- Intel Core 2 Duo processor architecture (2010)

INTERESTS

I enjoy running, not for the sake of it, but as an outdoor activity and a way of discovering new places. My favourite places usually involve nature, be it small parks or large natural parks. National parks are indeed my favourite traveling destinations, but any new places are appreciated. Along with new places come new cultures and food, I always try to taste and learn to cook different dishes with uncommon ingredients. I like playing both board games and videogames, especially focusing on new mechanics and solving puzzles. It is all about learning new stuff: new food, challenging puzzles or new technology through online courses or webinars.