Manuel Ignacio Gómez Chacón

Computer engineering, Universidad Simón Bolívar, Venezuela   +49 (176) 36 53 49 72
Current location: Munich, Germany   TARGEN@GMAIL.COM
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Professional orientation

- Leading software development teams as a people manager and technical lead
- Distributed system architecture and implementation
- Web API and application backend architecture and implementation
- Database design, architecture and administration
- Functional programming, programming language theory and implementation

Technical ecosystems

- Proficient: AWS, Haskell, Java, C++, shell scripting (POSIX/Bash), PostgreSQL, Git, Vim
- Proficient (but it's been a while): Python, JavaScript, C, MySQL, Django, Docker
- Basic: Ruby, Go, InfluxDB, PHP, Swift, Mathematica, InfluxDB, Telegraf, Grafana, MongoDB, Apache, Nginx, HAproxy, OpenSSL

Natural languages

Spanish (native), English (fluent), French (basic), German (basic)

Experience

- GOOGLE
October 2022–Present (Munich, Germany): **Engineering Manager**, ChromeOS Commercial
Managing a software development team with 9 reports, building ChromeOS features for enterprise identity provider integrations.

- September–October 2022: relocating to Munich!

- AMAZON WEB SERVICES
November 2021–August 2022 (Berlin, Germany): **Software Development Manager (III)**[1], AWS Billing
April 2021–November 2021 (Berlin, Germany): **Senior Software Development Engineer (III)**, AWS Billing
August 2018–April 2021 (Berlin, Germany): **Software Development Engineer (II)**, AWS Billing
Distributed system development and operations in AWS Billing. Building a front-end application for self-service configuration of products and pricing for all AWS services, with customers across 300+ internal Product Management teams, and high-stakes operations in support of launches for new AWS products, services and regions, and high-visibility events like AWS re:Invent. Building systems to automate the billing configuration of private deals for enterprise-class AWS customers accounting for 50% of AWS revenue. Operational support and incident response. Application development primarily using Java, supported by extensive use of AWS DynamoDB, S3, SQS, SNS, Lambda, Simple Workflow Service, Step Functions, and Kinesis.
Managing two independent software development teams with 15 total reports including one manager and indirect software development engineers, planning roadmaps and investment priorities, growing employee careers through 3 successful promotions, and over 250 completed interviews for 25 successful hires in own and adjacent teams.

- ZALANDO SE
August 2017–July 2018 (Berlin, Germany): **Senior Database Engineer**, Platform Infrastructure
Development of tools and developer-facing UIs for database administration automation and monitoring for hundreds of containerized PostgreSQL high-availability clusters on AWS and Kubernetes using Go, Python, and modern JavaScript, including a Kubernetes operator for a PostgreSQL cluster custom Kubernetes resource. PostgreSQL database administration, maintenance, and performance tuning.

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[1]Transitioning into management since September 2020.

- MAHISOFT (software factory staffing projects from various clients)
  February 2017–July 2017 (Buenos Aires, Argentina): **Software developer** (client: TEN-X)
  August 2016–January 2017 (Caracas, Venezuela): **Software developer** (client: Performance Settement)
  Full stack Web development using Python with Django and PostgreSQL, containerized development environment and production service administration on Amazon Web Services using Docker Compose with service registration and discovery through Consul and centralized logging with Elasticsearch, Logstash and Kibana, and monitoring using Telegraf, InfluxDB, Grafana and cAdvisor. Web service development using Spring and MySQL through Spring Boot, JPA, Maven and Docker.

- PREDICTVIA
  June 2015–July 2016 (Caracas, Venezuela): **Software architect**
  Distributed scheduling for computationally intensive machine learning tasks on dynamically provisioned AWS EC2 worker instances based on dataset quality indicators produced by social network data acquisition processes, mostly developed in Python. Mixed-model, multi-DBMS database architecture, logical design, implementation, operation, performance tuning, and implementation of mechanisms for specific distributed consistency and high availability guarantees for PostgreSQL, RDS Aurora, and MongoDB, with replication and automated failover. Administration of 10 to 20 AWS EC2 instances with server and service monitoring using Telegraf, InfluxDB, Grafana.

- PICTUNE
  March 2015–September 2015 (Caracas, Venezuela): **CTO**
  Product design, system architecture, infrastructure administration, database logical design and iOS application development for a social network focused on creative expression through procedural music generation from images. HTTP API design under the REST architectural style and implementation using the Servant and Yesod Web frameworks for Haskell, PostgreSQL database design and implementation, and iOS 8 mobile application development using Swift, C and Haskell.

- July 2014–February 2015: Continuing studies.

- PRX CONTROL SOLUTIONS
  April 2013–June 2014 (Caracas, Venezuela): **Software Development Intern**
  Development of a transpiler using Haskell for SQL generation to extend any generic relational database schema with full version control semantics, transparent SQL operation, and an HTTP querying and manipulation API designed under the REST architectural style. Development of a scalable, dynamic rule system for fraud detection in health insurance claims. Linux VPS server and Web service administration, monitoring, performance tuning and load balancing using HAproxy, Django, Gunicorn, Yesod, Keter, PHP, Apache and Nginx.

- UNIVERSIDAD SIMÓN BOLÍVAR
  April 2011–December 2015 (Caracas, Venezuela): **Undergraduate teaching assistant**
  Teaching undergraduate-level courses on programming language theory, functional programming, compiler construction, Unix system architecture and administration, concurrent programming.