Manuel Aguilera

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Objective

A fullstack developer position where I can contribute to building impactful products while continuing to grow my skills in backend development, system design, and cloud infrastructure.

Experience

Full Stack Engineer   07/2023 — 03/2025
Eviden   Remote

- Designed and developed a logistics management tool coordinating shipments across warehouses, fulfillment centers, retail stores, and last-mile delivery partners.

- Modernized legacy applications while building a new, scalable system using **Spring Boot**, **PostgreSQL**, **React** using **Typescript**, **Redux**, **Next.js**, and **Angular**, with testing via **Jest**, **Cucumber**, **Gherkin**, and **Playwright**.

- Delivered new features through a **test-driven development** process leveraging **GitHub Copilot**.

- Built another project using **Express**, **React**, **zustand**, **knex**, **PostgreSQL**, and **Jest**.

- Deployed and maintained both systems through an internal **CI/CD pipeline** based on **Jenkins**, **Kubernetes**, **Helm**, and **Spinnaker** deplyed using **GCP**.

- Extended the CMS platform to support targeted marketing campaigns and dynamic content personalization.

Full Stack Engineer   10/2020 — 05/2022
Art and Logic   Remote

- Enhanced a **HIPAA-compliant risk management web application** using **Django** and **Django ORM** querying **PostgreSQL**, and developed frontend components with **React** and **Redux**.

- Diagnosed and resolved issues in **Python unit tests**, **Puppeteer integration tests**, and the CI pipeline.

- Maintained a custom **CI/CD pipeline** implemented with **AWS CodePipeline**.

- Developed an **Android application** controlling a **Bluetooth lighting device** for medical applications, improving usability and reliability.

Backend Developer   6/2016 — 2/2020
Wonderful   El Segundo, CA

- Delivered **APIs**, **web applications**, and **MVPs** across industries including meal prep, automotive education, real estate, and home security.

- Collaborated with the **CTO** to define system architecture and made key **front-end** and **back-end** design decisions.

- Led small development teams, overseeing code quality, agile delivery, and end-to-end implementation.

- Built and deployed solutions using **Laravel**, **Django**, **Flask**, **React**, **Redux**, **WordPress**, and **PostgreSQL**, deployed on **Linux/Windows** servers, **AWS Elastic Beanstalk**, **Docker**, **AWS Lambda**, and **WPEngine**.

- Documented APIs with **Swagger/OpenAPI** and created technical documentation to facilitate onboarding and knowledge sharing.

- Implemented search functionality with **Elasticsearch**, improving data retrieval speed and accuracy through fine tunning crawling and indexing.

- Automated testing and deployment pipelines with **GitHub Actions**, **CircleCI**, and **Jenkins**, improving delivery speed and reliability.

Programmer   05/2014 — 01/2016
TechEmpower   El Segundo, CA

- Scaled data processing systems handling over **500 GB of log data daily**, enabling faster analytics and improved reliability.

- Built batch processing pipelines on a **Hadoop cluster** using **Pig scripts**, and replicated legacy **MS SQL** workflows with a **Java application** and **Amazon Redshift**, **saving the customer tens of thousands of dollars annually**.

- Developed a rich **HTML frontend** application for a custom **Chromium-based browser** using **Ember**, **Stylus**, **Handlebars**, and **Node.js**.

- Engineered a high-performance **Java web application** to replace public-facing components of a **WordPress** site, improving scalability while preserving the editorial workflow.

Lead Web Developer   10/2007 — 02/2014
Federal Buyers Guide, inc.   Santa Barbara, CA

- Delivered end-to-end software solutions, including **registration forms with payment processing**, **websites**, **reports**, **back-end administrative tools**, and other internal web applications.

- Maintained and optimized legacy systems and MySQL queries, improving **performance**, **uptime**, and **database efficiency** through query optimization and server management.

- Led adoption of improved development practices, including PCI commpliance, automated backups, and data encryption, version control, establishing a more robust and secure workflow.

Education

Computer Science   2006 — 2012
Santa Barbara City College   Santa Barbara, CA
A.A.S. Software Application Programming   2002 — 2004
ITT Technical Institute   Oxnard, CA