

Matthew Wyatt

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Senior Software Engineer*

San Francisco, CA

Matthew Wyatt is a senior software engineer with extensive experience developing and managing technology solutions across industries, including energy efficiency, supply chain, and consumer goods. He specializes in software architecture, web application development, and cloud infrastructure, with expertise in Python, Django, Vue.js, and Terraform. Before joining E3, Matthew worked at Recurve, where he optimized energy savings calculations and led cloud infrastructure improvements.

Recurve, Inc *Senior Software Engineer*

Mill Valley, CA
November 2022–September 2024

- Rewrote the open-source tool Recurve uses to calculate savings from energy efficiency projects. The new version sped up execution by a factor of three and expanded its use to other databases.
- As part of the Platform team, developed a web application (Django Rest Framework backend, Vue frontend) that allowed users to submit proposed energy efficiency projects and determine their value.
- Seamlessly migrated the Customer Identity and Access Management (CIAM) from one vendor to another with no loss of data. This allowed Recurve's user count to scale by a factor of hundreds for the same cost. Built integrations with the CIAM's APIs to allow customers to self-service onboarding. As part of this change, updated the authentication platform to be managed as Infrastructure-as-Code (IaC), standardizing and automating a previously manual effort.
- As part of the Security & Infrastructure team, deployed and managed cloud-based assets in a cost-effective manner using IaC (specifically Terraform).

Lagunitas Brewing Co./Heineken *Business Solutions Manager, Supply Chain*

Petaluma, CA
2021–2022

Collaborated with colleagues in Supply Chain, sister companies, and the regional level to deliver technological solutions for brewing, quality, packaging, warehousing, and shipping activities. As part of a year-long ERP migration:

- Worked with Supply Chain and Finance departments to create and organize production-related master data (BOMs, product inspection plans, etc.).
- Managed vendors and consultants in sunsetting integrations for the automated warehouse and creating integrations for the B2B order portal.

Software Engineering Project Manager

2017–2021

Led team of developers and Quality Assurance to deliver all internally-developed applications. Worked closely with internal stakeholders across many functions to understand business needs and create the following proprietary applications:

- PIMS/LIMS - extended the web-based Production Information Management System to include a Laboratory Information Management System to augment the Quality Assurance/Quality Control for the complete production process. Used by brewers, packaging, and quality teams to track hundreds of data points for each batch. Saved hundreds of thousands of dollars in defective beer and software licensing costs.
- CRM - native iOS application and associated web app tools to empower field sales team to set and execute goals. Integrated sales data from 3rd party provider to verify accuracy of sales to retail accounts. Saved the company hundreds of thousands of dollars in software licensing costs.
- B2B order portal - Web portal for customers to place their orders. Integrated with the ERP via SOAP/WSDL web service. Provided internal stakeholders a live view of logistics data, including truck shipment dates and capacities, and projected inventory levels. This was mission critical, as it was the only channel for customers to place orders.
- Internal social network - iOS, Android, and web-based social network/intranet portal.

Software Developer

2014–2017

- Developed a web-based Production Information Management System. The PIMS integrated with the ERP to automate material consumption tracking, increasing accuracy and speed.
- Developed a web-based sales analytical platform for customers to analyze their sales portfolios and compare Lagunitas with competitors. Integrated sales data from third-party vendor to visualize performance across multiple retail channels.

TransCentra

Napa, California

Application Developer

2007–2014

- Developed and maintained Java software (including extensive automated tests) integrating 3rd-party postal-processing software with existing TransCentra application platforms, providing a single interface to the postal software, standardizing its usage and reducing maintenance costs.
- Designed, coded and maintained Java code to retrieve USPS Intelligent Mail Barcode data from an internal service and merge the data into the print-processing job stream.
- Designed and coded ETL and database (specifically Oracle PL/SQL) processes to implement business logic for clients' print applications.
- Developed tool in Python to accelerate error-free development of ETL processes via automation and developed tool in Go to automate retrieving National Change of Address data from a USPS REST API.

Education

UC San Diego

San Diego, CA

BS in Computer Science