CARLOS CUEVAS

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EXPERIENCE

BROOKLYN COLLEGE
ADJUNCT COMPUTER SCIENCE PROFESSOR   1/23 – CURRENT

A senior college of the City University of New York, known for its diverse student body.
- Develop and teach Database Systems curriculum, covering relational databases, distributed systems, NoSQL, scaling, sharding, etc.
- Create engaging lectures and projects, emphasizing real-world projects (e.g. Hibernate ORM in Java, building a robust normalized database out of denormalized data, etc.).

ETSY
SENIOR SOFTWARE ENGINEER II / TECH LEAD   10/21 – 6/23
SENIOR SOFTWARE ENGINEER I   9/18 – 10/21

Etsy is one of the largest eCommerce websites in the world. As part of the payments team throughout my duration, I ensured the seamless and secure processing of financial operations.
- Developed and maintained numerous systems within Etsy's payments platform, facilitating the processing of over $13 billion annually for over 100 million active buyers. Designed and implemented resilient and high-performance APIs handling 100,000 RPM across multiple functions including credit card transactions, disbursements, tax calculation, currency conversion, and more. Effectively mitigated crises during regular on-call rotations.
- Played a pivotal role in addressing Etsy's financial exposure during SVB's insolvency crisis. Appointed to the tiger team where we successfully architected and implemented substantial changes to Etsy's live, distributed payout system where over $5 billion in annual payouts traversed over the course of a weekend.
- Led numerous projects as Tech Lead, notably introducing the Adyen Giving API to empower buyers to round up their change for charitable donations. Facilitated over 10 million charitable donations resulting in contributions exceeding $7 million.
- Pioneered the transition from a monolithic architecture to microservices, taking ownership of crafting cloud infrastructure on Google Cloud Platform. Leveraged technologies like Apigee, Cloud Run, Cloud Storage, and Compute Engine. Used Terraform for reproducible builds and Chef for server provisioning.
- Streamlined Etsy's financial processes by reducing credit card charges and the frequency of disbursements to sellers, saving over $10 million annualized in fees to Etsy.
- Assumed leadership of horizontally scaling payment processing in response to the unprecedented surge in traffic during the pandemic. Successfully 10x transaction capacity, ensuring the continued functionality of the system.
- Stepped into the role of interim Engineering Manager of my team of six engineers, leading team ceremonies and providing guidance for decision-making processes.

MAKER'S ROW

LEAD ENGINEER / ENGINEERING MANAGER	4/17 – 8/18
SENIOR SOFTWARE ENGINEER	2/16 – 4/17
SOFTWARE ENGINEER	11/15 – 2/16

Maker's Row is a SaaS marketplace connecting designers to factories & suppliers in the US.

- Developed the integration of on-platform payments through Stripe.
- Spearheaded the development of robust RESTful APIs with Loopback on Node.js
- Led and managed a diverse team of local and remote engineers, fostering collaboration through regular code reviews and pair programming sessions.
- Developed and maintained AWS infrastructure. Provision servers with Ansible.
- Designed MySQL schemas, optimizing database structures for efficient data management and retrieval.
- Created integration and unit tests using SuperTest, Jasmine & PHPUnit.
- Crafted intuitive user interfaces with Redux and React, implementing responsive designs through Bootstrap and Less.
- Led the successful migration of a legacy PHP application to Symfony.
- Conducted engineering interviews and onboarding processes.

BROOKLYN COLLEGE

FULL STACK ENGINEER	2/14 – 11/15

Entrepreneurial Technology Initiatives, an innovation lab within Brooklyn College, provides both traditional and SaaS products to internal staff and academic institutions.

- Successfully completed a rewrite of an inventory management system used to manage thousands of devices across the campus. Designed a new MS SQL Server schema, and completed successful migration from the previous system.
- Led transition from an unstructured collection of jQuery scripts to employing Angular 1, HTML5, and CSS3. Simultaneously, developed a resilient backend stack using a PHP MVC framework.
- Led the transition from SVN to Git. Created a self-hosted Gitlab instance on a local Debian server.

EDUCATION

Master of Arts, Computer Science	Brooklyn College, 2015
Bachelor of Arts, Philosophy & Psychology	Brooklyn College, 2009