Andrew Marcuse

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Summary

Hands-on software architect and manager with a proven track record of building and delivering innovative fintech & eCommerce systems.

Technology

TypeScript, JavaScript, Java, Go, Python
SQL, PostgreSQL, Redis, MySQL, Microsoft SQLServer, ElasticSearch
React, React-native, HTML, CSS, PDF
Kubernetes, Docker, Amazon Web Services (AWS), Google Cloud (GCP), Azure

Experience

Head of Engineering / Senior Software Architect   2016 to present
Moven - mobile banking & financial wellness

Led the systems architecture design and development of the business-to-business version of our iOS and Android mobile banking apps and cloud-based backend.

- **Leadership:** Recruited and led the development team

- **Mobile:** Seamlessly integrated Moven's app with customers' iOS and Android mobile apps including secure single-sign-on, deep links and push notifications.

- **Internationalization:** Localized mobile apps to work seamlessly across multiple customer languages, currencies and time zones.

- **Architecture:** Revamped the backend to use Docker and Kubernetes to work across multiple cloud providers with continuous integration and deployment.

- **Core Product:** Rewrote the categorization system with a flexible rules-based engine including regex-based name normalization.

- **Development:** Led the team using agile software development methodologies including distributed version control, continuous integration and automated deployment.

- **Sales:** Supported the sales team in building and executing custom solution demos for prospective customers.

VP Technology / Software Architect   2000 to 2016
BlueGolf - golf tournament management and eCommerce

Technical co-founder of BlueGolf, the leading provider of technology solutions and applications focused on the unique needs of the golf industry. Customers included prestigious organizations such as PGA of America, the PGA of Great Britain & Ireland and the Wisconsin State Golf Association and boasted more than 1 million end users.

- **Software Engineering:** Designed and wrote the initial system and managed its evolution to meet 15 years of growth and challenges without interruption. Employed best-in-class methodologies to manage the holistic software development lifecycle.

- **Software Architecture:** Led IT infrastructure architecture strategy and development that positioned the company for global expansion and market leadership by creating a technical vision and roadmap aligned to that of the business.

- **Mobile:** Developed mobile applications leveraging the same backend infrastructure as the website.

- **Cloud:** Migrated from self-hosted to collocation and then to Amazon Web Services seamlessly without downtime.

- **Payment Processing:** Expanded online payment support to include marketplace fees, coupons, tokenization and PCI compliance through multiple payment gateways in 5 different currencies. Automated billing system via ACH and credit cards.

- **Scalability:** Built a high performance backend in order to support flash crowds where an event sells out in a few seconds and handle hundreds of thousands of transactions a year. Managed infrastructure with 24x7 uptime and customers around the globe.

- **Leadership:** Recruited and nurtured an effective, agile team of developers to meet the needs of an expanding client base.

Director of Systems Architecture
Ceridian payroll & HR

1997 to 2000

Led the development of the Ceridian Source 500 product, including the integration of the existing FLX Visual HR product with a completely new payroll engine that used the Ceridian Signature payroll back-end.

Senior Developer
FLX Corporation

1989 to 1997

Served as technical point person during acquisition of FLX by Ceridian. Oversaw a comprehensive two week performance and functionality review during due diligence.

Created a Windows application that scaled from simple standalone PCs to client/server networks supporting thousands of employees.

Education   BA Physics, Concentration in Computational Science
Haverford College

Fluent in French: Lycée International de Saint-Germain-en-Laye