
About	Senior Backend Software Engineer with 10 years of experience in large-scale systems across global social networks, financial systems, and manufacturing. Experience in Trust & Safety, system reliability & scalability, E2E architecture design, direct involvement with customers and UX. Currently working on global Trust and Safety at Meta Platforms, Inc. Located in the US, and eligible to legally work in the US	
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Experience	Meta Platforms, Inc., Menlo Park, CA, US	Senior Software Engineer, Aug 2021 - present
	Currently working on global Integrity, Trust and Safety of Earth's largest social networks: Instagram, Facebook and Threads: <ul style="list-style-type: none">• Shipped new E2E rate limiting product for scripted posting of photo, video & stories on Instagram and Threads, protecting the platforms from 300 K daily abusive posts, contributed to \$229 K/month savings in proactive human review, & \$3 Million per year in appeals. Shipped globally in June 2025• Drove modernization of human review infra, restoring 25 k daily human reviews, reducing daily cost of pillar's human review by 22 K USD & resolving 4 measurement SEVs by migrating 370+ integrity signals & 15 renderers to a new rendering framework• Standardized 21 million daily enforcements on Facebook, Instagram and Threads, adding them to False Positive metrics, unlocking analytics for 6 partner teams• Created a real-time reliability platform that monitors 300+ integrity and revenue-critical metrics across Facebook, Instagram & Threads, driving coverage and alert accuracy to 94.8% & 99% respectively, while cutting false-positive volume by 69%, preventing 10+ measurement reliability SEVs• Led cross-org unification program for Ads & Organic API human review traffic, boosting policy adherence from 0%->98% (paid) and 98%->100% (organic) and eliminating 24 k daily erroneous reviews• Environment: Python, PHP, JavaScript/TypeScript, Hack, SQL, GraphQL, Apache Thrift, Presto, Apache Hive.	

	Epicor Software Corporation	Senior Software Developer, Feb 2017 - Aug 2021
	As a Senior Software Developer of the Custom Solutions Group, I worked directly with customers in North and South America on extending our base products to better fit their custom business requirements <ul style="list-style-type: none">• Implemented 5 large integrations between ERP app servers in the cloud & a variety of third-party systems via OData (REST) v3 & v4.• Reduced execution time of mass update by 90% by porting business logic from client to server, and by porting database access from Entity Framework to stored procedures in T-SQL• Highest billable utilization out of all the Mexico CSG team in FY2019, and top 10% in FY2021• One of the top 10 employees of the Monterrey branch in Q4 2019, recognized by the company for making a significant business impact and demonstrating corporate core values• Delivered the first mobile access dashboard solution of the Mexico branch, a responsive HTML5 client with C#/.NET on the backend• Developed 25 custom electronic interfaces for the ACH network and Positive Pay bank services• Wrote T-SQL code generators in Python 3 for data/schema definition and data querying• Enabled functional testing previously blocked by the corruption of test data, by restoring 22 million records to 15 relational database tables from database backups• Managed total 6 engineers & architects in multiple projects (project management)• Environment: .NET 4.7.2, C# 7.3, LINQ, Entity Framework 6, LINQ to Entities, LINQ to XML, Infragistics, Epicor Internet Component Environment (ICE SDK & ICE Tools), T-SQL for SQL Server 2016, Visual Studio 2019, JIRA, Windows Subsystem for Linux, Windows Server 2012, Windows 10	

Infosys Ltd.**Systems Engineer**, Jan 2013 - Feb 2015

Contractor for a Fortune 100 multinational banking and financial services corporation. Development, administration and support team for a global trade finance application used mainly in North America and Asia

- Implemented and tested new agents/batch-jobs or new features of existing jobs in Java, C#, JavaScript and Windows Batch
- Designed and implemented a Windows Script Host script in JavaScript to retrieve scanned image and metadata files from the scanner workstations to our server and prepare for further processing
- Fixed approximately 350 incidents, including code bugs, development of new features, customers with invalid data in production and outages
- On-call primary contact for approximately 20 weeks
- Led approximately 30 *Request for Change* procedures, mainly to install code updates and to update data via SQL scripts
- Supported production and test environments for clients and other teams in the bank
- Knowledge management via documentation of known issues and fixes, to coach offshore resources
- Environment: Java, .NET, C#, JavaScript, SQL, Bash, Hibernate, Spring, Eclipse, Toad, ClearCase, RedHat Linux, Windows Server, Autosys, Windows Script Host

Skills & Tech

- **Languages:** Python, TypeScript, JavaScript, Haskell, LINQ, PHP/Hack, SQL, C#, (T-)SQL, Bash/UNIX Shell Scripting
- **Data/Databases:** Apache Hive, Presto, GraphQL, Hibernate, SQL Server, Oracle DB, XML, JSON, MySQL, SQLite, YAML
- **Technologies:** Thrift, Spring, .NET 4.8, OData v3/v4 REST, WCF/RPC, Entity Framework 6, LINQ to Entities, LINQ to XML, ACH, Positive Pay, Infragistics, Epicor Internet Component Environment (ICE SDK & ICE Tools), Epicor ERP, Eclipse, Linux, HTML

Education

- **Master of Information Engineering in Computer Science**, 2015, Autonomous University of Nuevo León
 - **Bachelor of Engineering in Mechatronics**, 2012, Autonomous University of Nuevo León, graduated with honors
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