

# SUSHMITHA SUNKURDI NATARAJ

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## EXPERIENCE

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<b>Founding Engineer</b>	<b>Privado Dining</b>	<b>Jan 2023 - Present</b>
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### *Task Management System*

- Designed and implemented a comprehensive Task Management System, that allows establishment staff to organize and streamline their daily operations.
- Owners and staff members can exchange messages, updates, and instructions related to tasks within the system, reducing the need for lengthy email chains or in-person meetings.
- The Task Management system sends automated email notifications to staff members to remind them of upcoming tasks or deadlines.

### *Save Payment System*

- Designed and developed a Save Payment System that allows establishments to securely store customer card details for convenient future one-time charges or settlements.
- Integrated with Stripe APIs to facilitate seamless and secure payment processing, resulting in the processing of approximately \$1 million in transactions by our customers.
- Built an interface to send payment requests via email through Privado Email Composer.
- Implemented the user interface for creating one-time charges.

### *Intake Form System*

- Designed and developed an intuitive Intake Form System that facilitates the streamlined collection of vital customer information, ensuring a smooth process for event planning.
- Assisted customers in seamless onboarding.
- Implemented the user interface for creating and submitting the intake forms.

### *Admin Panel*

- Contributed to the development of a comprehensive Admin Panel, providing Privado Founders with granular control over establishment settings, customer onboarding, preference management, and feature releases.

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<b>Software Engineer, Consumer Software Team</b>	<b>Twitter, Inc</b>	<b>Jun 2021 - Jan 2023</b>
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### *Automated Feature Launch System*

- Lead the Front End application design and implementation.
- Designed and implemented Front End state management system. On-boarded new team members to the Front End code base. Added new API endpoints, and error handling mechanism.
- Enhanced existing exception handling, alerting, auditing, and notification system .
- Added new rollback strategy to the API server, and metrics to the Scheduling server.

### *Alert Tracking and On-Call Management System*

- Integrated PagerDuty Alert Status updates to the API and Web.
- Implemented customer-specific feature requests like Quarterly On-call Snapshots and notifications, custom Events API endpoints, input validation, added notes to the grouped alerts, implemented UI features to identify alerts in a group.

### *Centralized Data Reporting and Analytics System*

- Helped our customers onboard to Looker by creating Technical Documents and example dashboards.
- Participated in code reviews for the scalding jobs, Look-ML code, and migrated dashboards to the production environment.

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<b>Software Development Intern</b>	<b>Atomic Fi, Inc</b>	<b>May 2020 - Aug 2020</b>
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- Developed solutions to authenticate customers into their payroll account and verify a user's income and employment status through AtomicFi Transact.
- Developed a web-based MongoDB query portal using Node.js, Express, and React that facilitates AtomicFi engineers with their daily work.
- Built numerous crawlers and robotic process automation scripts to gather valuable data.

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| <b>Graduate Teaching Assistant</b>                                                                                                                                                                                                     | <b>University of Utah</b> | <b>Aug 2020 - May 2021</b> |
| <ul style="list-style-type: none"> <li>Reinforced lessons presented by Professors, developed programming assignments solutions, held office hours, conducted lab sessions and code reviews, and graded student assignments.</li> </ul> |                           |                            |
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| <b>Associate Software Engineer</b>                                                                                                                                                                                                                                                                                                                                                                | <b>Oracle India Pvt. Ltd</b> | <b>Jun 2016 - Jul 2019</b> |
| <ul style="list-style-type: none"> <li>Developed new features in Solaris Storage Drivers.</li> <li>Made significant improvements to FC, NPIV, SCSI Target Driver, MPXIO code base by successfully resolving high-priority bugs in mpathadm, npiv, fcinfo command space.</li> <li>Developed a new feature to allow host failover on receiving a special sense key from Hitachi storage.</li> </ul> |                              |                            |

**TECHNICAL SKILLS**

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**Programming Languages:** JavaScript, Python, TypeScript, Scala, Java

**Frameworks, Libraries & Web Technologies:** Redwood Js, GraphQL, React, Flask, Finagle, Finatra, Redux, Node.js, Rest API

**Cloud & Analytics:** Google Analytics, GCP, HDFS, BigQuery, Looker

**Databases:** MongoDB, MySQL, PostgreSQL   **Version Control and Build System:** Git, Mercurial, Pants, Bazel

**EDUCATION**

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<b>Master of Science, Computer Science</b>	<b>GPA: 3.87</b>	<b>May 2021</b>
The University of Utah, Salt Lake City, Utah		
<b>Coursework:</b> Advanced Algorithms, Visualization for Data Science, Data Mining, Artificial Intelligence		
<b>Bachelor of Engineering, Information Science and Engineering</b>	<b>GPA: 9.16/10</b>	<b>May 2016</b>
Sri Jayachamarajendra College of Engineering, Mysore, India		