



# Stalin Pereira

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[✉ letter2stalin@gmail.com](mailto:letter2stalin@gmail.com) | [github.com/imatex](https://github.com/imatex)

## Skills

Cloud Solutions	Google Cloud Platform, AWS, Azure
Container Orchestration	Kubernetes, Rancher, OpenShift
Serverless / FAAS	Google Cloud Functions, Lambda
Languages	JavaScript, Golang, Rust, Dart, Visual Basic, C#, C++
Frameworks	Node.js, .NET Framework, GTK, QT Framework, Hapi.dev, Moleculer
Frontend	Flutter (Web, Android, iOS, Mac, Linux, Windows), Angular, React, Next.js, HTML, CSS, SCSS
Blockchain / Metaverse	Ethereum, ERC-721 Smart Contract (NFT), Alchemy, Hardhat, Solidity, Meta Mask, Pinata
CI / CD	Bitbucket Pipelines, GitLab CI, GitHub Actions, Fastlane, Jenkins
Databases	CouchDB, MongoDB, MySQL, PostgreSQL, Cloudant DB, Prometheus, InfluxDB, Redis, In-Memory
Graph Databases	Neo4J, Apache TinkerPop, Gremlin
API Gateway	Kong, KrakenD, AWS API Gateway
Logging	Stackdriver, Logstash, Datadog
Search/Indexing Servers	Elasticsearch, Typesense
Testing Frameworks	Jest, Mocha, Jasmine, Protractor, k6
Analytics, Visualization	Elasticsearch Logstash Kibana (ELK) Stack, Grafana, Redash, Datadog
APM	Jaeger, Zipkin, Datadog, Open Tracing Specification
Job / Message Queues	NATS, BullMQ, RabbitMQ
Documentation	Swagger, Insomnia REST, Open API Specification
ETL	Puppeteer, Cheerio, Shell Scripts
AI, MLOps	Haystack, TensorFlow, NLP, OpenAI, Hugging Face, Document Entity Extraction

## Projects

Project	Domain	Role	Stack
Kogent.ai	Digital Health	Engineering Manager, Chief Architect and MLOps Engineer	Node.js, React, Flutter, and AWS Comprehend
Nearoo	e-Commerce	Architect and Tech Lead	Node.js, React, Swift, and Kotlin
1000x	Ad Tech	Architect and Tech Lead	Node.js, React, and Flutter
Chickly	Fin Tech	Architect	Node.js, Next.js, and React
Agdhi – SeedVision	Agri Tech	Architect and MLOps Engineer	Node.js, TensorFlow, Keras, and Flutter
MedRabbits	Health Tech	Architect	Node.js and Flutter
Familheey	Social Networking	Architect	Node.js and Flutter
Arttora	Social Networking e-Learning	Architect, Engineering Manager, and Tech Lead	Node.js, Next.js, React, and Flutter

## Others

### Owner & Developer

### AutoFileBackup

- Small, highly efficient, cross-platform software designed to automatically back up a file whenever modified.
- Authored using C++ and Qt Framework, Compatible with Windows, and Mac OS.
- Increased productivity, with a backup time reduction of up to 80% compared to manual backup methods.

### Certifications

- Achieved CEFR Level C1 – Advanced in the British Council’s English Core Skills Test.

## Education

**Bachelor of Science**

Major in Computer Science

**University of Kerala**

**06/2008 - 07/2011**



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## Experience

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- |   |                                    |                          |
|---|------------------------------------|--------------------------|
| <b>Engineering Manager</b>  | <b><u>Innovation Incubator</u></b> | <b>10/2022 - Current</b> |
| <ul style="list-style-type: none"><li>Managed the project planning, scheduling, and budgeting to ensure the timely completion of projects utilizing allocated resources. In the past year, managed 3 projects, achieving a 95% success rate in meeting project deadlines.</li><li>Led and prepared a team of 40 engineers, mentored, and guided on technical issues, and created a positive and productive team culture. Reduced employee turnover by 15% through effective employee engagement initiatives.</li><li>Ensured that the team was up to date on the latest trends and technologies in the industry by improving the team's technical skills by 45% through training and development programs.</li><li>Identified and implemented process improvements to streamline engineering workflows and increase efficiency. Increased team productivity by 60% by implementing agile methodologies.</li><li>Liaised with cross-functional teams, stakeholders, and senior management to ensure that project goals aligned with business objectives. Maintained a 90% satisfaction rate in stakeholder feedback surveys.</li></ul>   |                                    |                          |
| <b>Senior Technical Lead</b>  | <b><u>Innovation Incubator</u></b> | <b>07/2019 - 10/2022</b> |
| <ul style="list-style-type: none"><li>Directed and assessed a team of 20 developers, ensuring code quality rating of 95% based on internal code review process while maintaining design standards.</li><li>Constructed and maintained high-performance backend systems to store and manage application data. Improved the system response time by 25% through optimization efforts.</li><li>Achieved a throughput of over 13,000 requests per second on a small machine, enhancing system performance.</li><li>Introduced a microservices architecture with distributed computing, resulting in over 150% cost savings.</li><li>Leveraged Grafana and Prometheus to achieve over 200% visibility into system performance and stability.</li><li>Integrated queuing systems that defined system stability, control, and visibility by 10x.</li><li>Introduced an Application Performance Monitoring (APM) tool to gain 100% fine-grained insights into performance bottlenecks on microservices.</li><li>Created a web scraping program in Node.js, downloading over 80,000 products and related data to enhance internal data and research efficiency by over 150%.</li></ul> |                                    |                          |
| <b>Senior Software Engineer</b>   | <b><u>Tektide Innovations</u></b>  | <b>04/2015 - 06/2019</b> |
| <ul style="list-style-type: none"><li>Resolved production issues through comprehensive debugging and troubleshooting, resulting in an average downtime reduction of 30% over the past year.</li><li>Initiated upgrades and technology stack improvements to keep the system up to date, resulting in a 60% increase in overall system performance.</li><li>Engineered, tested, and deployed 30+ web services and Windows applications that were secure, efficient, and suitable for enterprise usage with an up-time of 99.9%.</li><li>Developed 20+ web and desktop applications using .NET Framework and Content Management Systems with a user satisfaction rating of 95% based on post deployment surveys.</li></ul>  |                                    |                          |
| <b>Software Engineer</b>  | <b><u>Tektide Innovations</u></b>  | <b>02/2011 - 04/2015</b> |
| <ul style="list-style-type: none"><li>Designed and integrated robust PHP frameworks and Content Management Systems, including CodeIgniter, WordPress, Drupal, and Joomla, resulting in a 20% reduction in development time and cost for all projects utilizing these platforms.</li></ul>   |                                    |                          |
| <b>Open-Source Developer (Part-time)</b>  | <b><u>GNOME Foundation</u></b>     | <b>12/2014 - 06/2015</b> |
| <ul style="list-style-type: none"><li>Collaborated with two Open-Source GNOME Projects, including gnome-shell and GNOME Editor, resulting in improvement of stability.</li><li>Improved technical proficiency in C, C++, and GTK+ Framework under the guidance of mentor Sebastien Lafargue, resulting in an increase in productivity and efficiency.</li></ul>   |                                    |                          |