

KARTHIC KUMAR K

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PERSONAL PROFILE

Aspiring to leverage my expertise in Haskell, cloud technologies, and DevOps tools to drive impactful solutions in a dynamic and innovative organization.

SKILLS

Languages	Haskell, Java, Python, JavaScript	Tools	Docker, Kubernetes, Terraform
DB engines	MYSQL, Postgres, Mongo, Oracle	CI/CD	Gitlab CI, Jenkins
Cloud Services	AWS, GCP	Dev Tools	Git, Jira, DBeaver

EXPERIENCE

_G10X **Apr 2023 - Present**
Associate Software Development Engineer *Kochi, India*

- Collaborated with an American development team on a supply chain management application.
- Utilized Haskell, Java, PostgreSQL, GCP, Datadog, Nix, Docker, and GitLab CI/CD in development.
- Wrote comprehensive unit and functional tests, identifying and resolving critical production issues.
- Designed APIs, authored technical documents, and evaluated optimal task approaches.
- Replaced Docker base images, reducing memory usage and significantly improving application performance.
- Automated recurring jobs, saving over 48 hours monthly.
- Created Datadog monitor event alerts using Terraform, enhancing system monitoring capabilities.
- Conducted SAST and DAST analyses, addressing vulnerabilities and improving application security.
- Updated application modules to LTS versions, mitigating technical debt.
- Followed Agile methodologies, conducting sprint retrospectives and ensuring task delivery.

Juspay Technologies **Aug 2021 - Apr 2023**
Technical Product Analyst - I *Bangalore, India*

- Migrated a PureScript application to Haskell, enhancing maintainability and performance.
- Converted core JavaScript FFI functions to Haskell, significantly boosting application efficiency.
- Developed a new payment gateway “Beta Gateway” to simplify merchant onboarding.
- Integrated mandate flows for new payment gateways (e.g., GoCashFree, PayU).
- Mentored junior developers and conducted thorough code reviews.

Juspay Technologies **Sep 2020 - Aug 2021**
Technical Product Analyst Intern *Bangalore, India*

- Contributed to a Payment Gateway Aggregator application using PureScript, MySQL, JavaScript, and Redis.
- Developed logic for various payment methods, including cards, net banking, and UPI for gateways like ShopSe and Razorpay.
- Resolved production issues promptly, ensuring seamless functionality.
- Implemented hotfixes to address critical issues in real-time.

FUN PROJECTS

- “**Linked**” Lists - a tool that allows users to share multiple links in a single landing page. Written using Haskell.
- **Url shortener** - a web application very similar to bit.ly which shortens a long url, written using express JS.
- **Wall-E** - a CLI web scraper tool used to download wallpapers based on the parameters given.

EDUCATION

Bannari Amman Institute of Technology **2017 - 2021**
Bachelors of Engineering, Electronics and Instrumentation *Coimbatore, India*