

Linus Lorenz

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CAREER OBJECTIVE

Ambitious backend developer with a strong foundation in backend technologies and frameworks, including Python, Flask, Django, and Node.js. Proven ability to tackle complex integration tasks, such as implementing Stripe's API into fintech applications. Committed to continuous learning and staying updated with emerging trends like microservices, containerization, and AI integration, to build scalable and secure applications. Skilled in database management, API development, and version control, with a keen interest in enhancing system reliability and performance.

PROFILE SUMMARY

- Experienced backend developer with a strong journey of five years, using Elixir and have strong experience with TypeScript.
- Skilled in programming languages, with a preference for Python, backed by knowledge of data structures and algorithms, and extensive experience in learning and teaching through various resources.
- Expertise in relational and NoSQL databases, including PostgreSQL and MongoDB, with a focus on ORMs, ACID principles, transactions, and database normalization.
- Comprehensive knowledge of RESTful APIs, JSON APIs, and frameworks like Flask for building robust APIs and web applications.
- Experienced in various authentication methods, including OAuth, Basic Authentication, Token Authentication, and JWT.
- hands-on experience with Phoenix, Ecto, and setting up GraphQL APIs with Absinthe
- Adept at testing methodologies, including integration testing, unit testing, and functional testing, ensuring reliable and maintainable code.
- Experienced in using modern backend frameworks like Django, Laravel, Ruby on Rails, Express.js, Flask, Spring Boot, ASP.NET, Meteor.js, Nest.js, and Next.js.

TECHNICAL SKILLS

- Programming Languages: Python, JavaScript, PHP, Java, C#, Ruby, Go, C++, Perl, Kotlin
- Backend Frameworks: Django, Flask, Spring Boot, Express.js, Ruby on Rails, Laravel, Nest.js, ASP.NET, Meteor.js, Next.js
- Databases: PostgreSQL, MongoDB, MySQL, Redis
- Version Control Tools: Git, GitHub, SVN
- APIs: REST, JSON, GraphQL, SOAP, HATEOAS, Open API Spec and Swagger
- Authentication: OAuth, Basic Authentication, Token Authentication, JWT, Cookie-Based, OpenID, SAML

- Caching: CDN, Client-Side Caching, Server-Side Caching
- Web Security Knowledge: Hashing Algorithm (MD5, SHA Family, scrypt, bcrypt), HTTPS, SSL/TLS, Content Security Policy, CORS, OWASP Security Risk
- Testing: Integration Testing, Unit Testing, Functional Testing
- DevOps & CI/CD: Jenkins, Docker, Kubernetes, Terraform, Prometheus, GitHub Actions
- Architectural Patterns: Monolithic Apps, Microservices, SOA, Serverless, CQRS and Event Sourcing
- Cloud Platforms: AWS, Azure, Google Cloud Platform (GCP)
- Containerization & Virtualization: Docker, Kubernetes
- Machine Learning: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy
- Project Management Tools: Jira, Trello

EXPERIENCE

SENIOR BACKEND ENGINEER — Matilda Clouds Pvt. Ltd.

Pune, Maharashtra, February 2021 - February 2023

- Integrated Stripe's treasury feature into a fintech application, leveraging the Stripe API for the first time, and ensuring seamless financial transactions.
- Conducted thorough analysis and multiple readings of Stripe's documentation to understand and implement the integration process effectively.
- Applied the RTFM (Read The F*** Manual) mantra, emphasizing the importance of comprehensive documentation review to troubleshoot and debug issues.

TECHNICAL LEAD — Hurix Digital Pvt. Ltd.

Pune, Maharashtra, December 2018 - February 2021

- Integrated the treasury feature of Stripe into a fintech application, ensuring smooth API interactions and secure transactions.
- Developed a comprehensive backend roadmap, covering essential topics such as Internet fundamentals, HTTP, DNS, and hosting.
- Provided educational resources for backend development, including programming languages (Python), databases (PostgreSQL), and web security.

SENIOR ELIXIR DEVELOPER — TechWave Solutions Pvt. Ltd.

Atlanta, GA, May 2018 - December 2018

- Developed and maintained scalable backend systems using Elixir and Phoenix, ensuring high performance and reliability for web applications.
- Designed and implemented a robust GraphQL API using Absinthe, Absinthe.Plug, and DataLoader, streamlining data retrieval and manipulation for frontend clients.
- Conducted Ecto-based database integrations, optimizing queries and ensuring efficient data storage and retrieval.
- Managed multilingual support through Gettext and Accent, setting up scheduled GitHub Actions workflows for seamless translation updates.
- Wrote comprehensive test suites with ExUnit and ExMachina, achieving high code coverage with ExCoveralls and ensuring code reliability.

SENIOR BACKEND DEVELOPER — Entwa Technologies Pvt. Ltd.

Pune, Maharashtra, August 2015 - May 2018

- Integrated the treasury feature of Stripe into a fintech application, ensuring seamless payment processing and compliance with financial regulations.
- Utilized RESTful APIs and Flask framework to develop backend services, enhancing the application's functionality and user experience.
- Implemented robust caching strategies using Redis to optimize data retrieval and improve application performance.
- Developed and maintained databases with PostgreSQL, ensuring data integrity and efficient query processing.
- Conducted thorough testing, including unit, integration, and functional testing, to ensure the reliability and security of the application.
- Emphasized security best practices, implementing measures such as HTTPS, JWT, and OAuth to protect sensitive data and maintain user privacy.

DATA SCIENTIST — Invitra Technologies Pvt. Ltd.

Pune, Maharashtra, August 2013 - January 2014

- Analyzed large datasets to extract meaningful insights and patterns.
- Developed and implemented machine learning models for predictive analytics.
- Collaborated with engineers to integrate data-driven solutions into applications.
- Ensured data quality and consistency through rigorous preprocessing techniques.
- Created detailed reports and visualizations to communicate findings.

JUNIOR DATA SCIENTIST — Webonise Labs Pvt. Ltd.

Pune, Maharashtra, May 2012 - June 2013

- Assisted in the development and deployment of machine learning models.
- Conducted exploratory data analysis to identify trends and patterns.
- Collaborated with senior data scientists to optimize model performance.
- Participated in data preprocessing and feature engineering tasks.

EDUCATION

BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY

Queensland University of Technology, Australia, Jun 2011