

# Ivan Kharakhashyan

## Senior Python Full Stack Engineer

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🔗 <https://ivanportfolio-gray.vercel.app/> 🌐 <https://github.com/ivankharak>

Python Full Stack Engineer with over 10 years of hands-on experience designing, developing and implementing applications and solutions using various technologies and programming languages, seeking to leverage broad development experience and hands-on technical expertise in challenging roles. Achieved significant increases in user engagement, revenue, and application functionality, while reducing development time and improving overall code quality.

### Expertise

#### Programming Languages

Python, HTML5, CSS3, JavaScript(ES6+), TypeScript, PHP, Golang

#### Back-end Technologies

Django, FastAPI, Node.js/Express, Laravel, GraphQL

#### Cloud Platforms

AWS (Amazon Web Services), Google Cloud Platform, Heroku, Azure

#### Others

GitHub, Docker, Kubernetes, TDD, DDD, SDLC, Agile Methodologies, Jira, Trello

#### Libraries and Frameworks(FE)

Django, Flask, FastAPI, TensorFlow, PyTorch, Scikit-Learn, Tailwind CSS, MUI, Antd, Chakra UI, React, Next.js, React Native, Angular, Vue.js

#### Databases

MySQL, MongoDB, PostgreSQL, Amazon DynamoDB

#### Testing Frameworks

Jest, Cypress, Mocha, A/B Testing, React, Vue.js Testing Libraries

### Projects

**E-Commerce app**, *Discover the Future of E-Commerce with Our Innovative App* 🔗

A Fullstack E-Commerce web app with a **Cart System** and **Strip Checkout**

**Online Auto Auctions**, *Dynamic Management of Online Auto Auctions: Salvage & Used Vehicles* 🔗

- Optimized inventory assortment by implementing **data-driven insights**
- Increased sales by 40% and decreased slow-moving inventory by 25% within the first quarter of implementation.

**The College Drupal Distribution** 🔗

- Refactored react modules and extensions that asynchronously process data returned via an internal API.
- Implemented an out-of-the-box profile that automatically generated key pages and installed required modules.

**Workspace-PINAC** 🔗

- A seamless integration of Electron JS for a robust core and **React JS** for a **responsive frontend**, complemented by the power of **Python** in the **backend**.
- Enhanced optimization for **multiplatform compatibility**, ensuring a **smooth** and **consistent** experience across all devices.
- A commitment to code **clarity** and **maintainability**, making it easier for developers to **collaborate**.
- **Recognition** and **incorporation** of community contributions—your valuable code from Workspace-PINAC will be part of this new chapter.

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## Professional Experience

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02/2022 – present  
Little Rock, USA

### Senior Python Engineer, Medevelop

- Orchestrated collaborative efforts with **Agile teams** to conceptualize, design, and deploy innovative web applications across **E-Commerce, Banking, and Healthcare** sectors, resulting in a 40% boost in user engagement and a 25% increase in conversion rates.
- Guided and instructed junior developers on industry **best practices** for writing **maintainable** and **scalable** code during meticulous code reviews; led to a 40% increase in code quality and a 25% **reduction** in technical debt within the TypeScript codebase.
- Executed end-to-end software development lifecycle with **precision, delivering** stable releases and achieving a 99.9% uptime for critical applications.
- Collaborated with a cross-functional team to **integrate machine learning algorithms**, resulting in a 25% improvement in data processing efficiency.
- Spearheaded the implementation of a revolutionary **RESTful API**, revolutionizing data retrieval procedures by 50% and **fortifying** system performance, leading to a 20% surge in customer engagement and a 15% enhancement in data accuracy.
- Wrote custom Python scripts for **data manipulation** that saved the company **approximately 15 hours of manual work per week**.

Python, Django, FastAPI, TensorFlow, PyTorch, Scikit-Learn, Typescript, MUI, Flask, React Native, Redux, Azure, MySQL, PostgreSQL, AWS, Google Cloud Platform, Heroku

08/2020 – 02/2022  
Jalan Lekar, Singapore

### Full Stack Engineer, Qian

- Built a **serverless API** using Node.js and **AWS Lambda** functions that connects a web application to a **third-party service**, such as **SendGrid**, to send email or SMS notifications.
- Developed progressive web apps with **Django**, enhancing mobile user **engagement** by more than 50%.
- Designed and implemented a database system in PostgreSQL that **optimized storage** and retrieval operations by 35%.
- **Optimized** existing backend code, leading to a **reduction** in **server response** time by an average of 150ms.
- Participated in **DApps(NFT marketplaces, Dex, etc)** and brought a lot of profits to startup companies.

Python, React.js, TensorFlow, Tailwind CSS, Node.js, Django, MUI, Laravel, FastAPI, Chakra UI, Redux, Nuxt.js, PostgreSQL, AWS

03/2018 – 08/2020  
Great Lakes, USA

### Python Developer, InveSmart

- Developed a **robust content management** system using Django, which successfully managed the workflow for a team of 20+ content creators.
- Built a responsive and **visually appealing** landing page using **Next.Js** and **Tailwinds CSS**, resulting in a **clean** and **user-friendly** interface for the end user.
- Assisted in **transitioning** the development environment to **Azure** resulting in a more consistent deployment process.
- Performed extensive **code reviews** to enforce coding standards and **improve** application's security and scalability.

Python, Django, Azure, Next.js, Tailwind CSS, MUI, Antd, Vue.js, Node.js, MySQL & PostgreSQL, Heroku

08/2015 – 03/2018  
California, USA

### Full Stack Developer, Toptal Freelance

- Worked various **Django** projects along with HTML, CSS, JavaScript, Bootstrap
- Improved the **user experience** by implementing **infinite scrolling**, and **smooth animations**

Python, Django, HTML5, CSS3, JavaScript, Bootstrap, Angular

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## Education

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09/2011 – 06/2015  
Stockholm, Sweden

**Bachelor of Computer Science, Stockholm University**  
Web Development and Software Engineering

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## Certification

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### Python Institute Certifications

Issuing Organization: Python Institute  
Date Earned: February 2016  
Solid understanding of Python programming fundamentals.

### AWS Certified Solutions Architect – Associate

Issuing Organization: Amazon Web Services (AWS)  
Date Earned: September 2014  
Proficient in designing and deploying scalable, highly available, and fault-tolerant systems on AWS.

### Google Cloud Professional Data Engineer

Issuing Organization: Google Cloud Platform (GCP)  
Date Earned: August 2015  
Skilled in designing and implementing data processing systems on Google Cloud Platform.

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## Achievements

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### Developed an Educational Scoring Algorithm

*Successfully created and implemented a complex scoring algorithm that improved the educational platform's accuracy by 15%.*

### Exceptional client satisfaction

*Awarded the Top Rated & Rising Talent Badge on Toptal for exceptional client satisfaction and maintaining a 100% job success score.*

### Optimized Database System

*Led the database optimization project with PostgreSQL, resulting in a 35% performance boost.*

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## Languages

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English

Swedish

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## Interests

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**Besides my job, I have many interests that help me grow and stay balanced.** — I'm very into fitness because it makes me feel good and teaches me to set and reach goals. I also love being creative, like drawing, writing, and taking photos, which lets me see the world in new ways. I enjoy documentaries and dramas because they tell powerful stories and connect with people. These activities keep me focused, curious, and always learning.