

RUSTEM GARRYEV

Fairfield, Iowa 52556 • +1-641-233-9857 • rustem.garr1@gmail.com
<https://www.linkedin.com/in/rustem-tkm/>

PYTHON SOFTWARE ENGINEER

Python Software Engineer with around 6 years of experience building scalable web applications, cloud-native solutions, and automation tools across multiple domains including recruitment, smart home automation, education, travel and business services. Proficient in designing, coding, and deploying backend and integrated systems with a strong focus on scalability, performance, and cloud efficiency. Core tech stack includes React, PostgreSQL, AWS (EC2, RDS, S3), Django + Django REST Framework (DRF), Express.js, RESTful APIs, Docker, Chart.js, Pandas, and Selenium.

- Scalable System Design • Cloud-Native Architecture • Backend API Development • Cross-Functional Collaboration
- REST API Design • Test-Driven Development • Infrastructure-as-Code • Serverless Computing • Agile Methodologies

Languages: Python, JavaScript

Web: HTML5, CSS3, React

Web Services: REST, JWT, CORS, AWS API Gateway + Lambda (serverless REST/HTTP)

Web/App Servers: Nginx, Unicorn, Node.js

Frameworks: Django, Flask, Django REST Framework (DRF), FastAPI, Express.js

Databases: Postgres, MySQL, MongoDB

Design Patterns: Singleton, Factory Method, Decorator, Facade, Observer

SDLC: Agile, Scrum, Kanban

Tools: Git, AWS (EC2, Lambda, API Gateway, S3, RDS, DynamoDB, ELB, CloudFront, SQS, SNS), Docker, Pandas, Docker, Ubuntu VPS, TickTick, Chart.js

Platforms: Windows, Linux, MacOS

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

ORLAN, Ashgabat, Turkmenistan • 08/2022 – 10/2024

A consulting firm that deals in development, selection, and staffing services, delivering tailored solutions for clients.

Software Engineer

Built web platform for recruitment agency.

- Led backend development of a recruitment management system using PostgreSQL and RESTful APIs, reducing candidate processing time by 50% through workflow automation and data normalization.
- Engineered robust API endpoints for job and applicant modules, enabling seamless integration with internal tools and improving recruiter efficiency by 35%.
- Integrated local job boards and SMS-gateway APIs to enable real-time resume imports and candidate alerts, saving HR teams 20+ hours/week on manual tasks.
- Built responsive and interactive front-end components using React, HTML5, and CSS3, enhancing usability and increasing time-on-platform metrics by 25%.
- Deployed the full-stack platform on a regional VPS using Ubuntu, Nginx, and Docker, ensuring high availability and supporting zero-downtime deployments.
- Implemented data dashboards and visual reporting features using Chart.js, reducing weekly reporting efforts by 40%.
- Utilized Git for version control and TickTick for agile sprint planning in a 4-member team, accelerating feature delivery and cross-functional collaboration.

Technologies Used: RESTful APIs, Django REST Framework (DRF), JavaScript, Chart.js, PostgreSQL, React, React Hooks, HTML5, CSS3, Python, Pandas, Docker, Nginx, Ubuntu VPS, Git, TickTick.

RUZVEL WEB, Saint Petersburg, Russia • 12/2018 – 06/2022

Ruzvel Web is a software development company that provides web and other solutions to customers across the globe.

Software Automation Engineer

Built web applications, automation scripts for web harvesting and data analysis.

- Designed an Automated Booking System for a travel agency during COVID-19, reducing manual processing by 90% through backend automation and smart form handling.
- Developed a Newsfeed Personalization System using a Naive Bayes classifier, classifying articles by user interest profiles, which led to a 50% increase in user engagement through targeted content delivery.
- Built RESTful APIs using Django REST Framework (DRF) to handle user authentication, booking management, and article distribution, ensuring secure and scalable data handling across all system components.

- Scraped live web content using BeautifulSoup and Selenium to continuously feed the news engine with updated data, improving personalization freshness and reducing content latency by 80%.
- Deployed the full-stack applications to AWS, leveraging EC2 and RDS instances for scalability, and used Pandas for backend data analysis to evaluate trends in booking behavior and news interaction.

Technologies Used: React, JavaScript, Chart.js, Python, Django, Django REST Framework (DRF), PostgreSQL, Machine Learning (Naive Bayes Classifier), Pandas, BeautifulSoup, Selenium, AWS (EC2, RDS).

DM SMARTHOME, Ashgabat, Turkmenistan • 10/2016 – 09/2018

Dm Smarthome builds personalized smart home solutions.

Lead Smart Home Automation Specialist

Led a team of smart home installation specialists.

- Designed IoT gateway solutions using KNX and ZigBee protocols to enable centralized remote control of 100+ devices per installation, enhancing energy efficiency and homeowner convenience.
- Configured and deployed smart lighting, HVAC, and security automation systems, ensuring robust device interoperability across mixed-protocol environments.
- Led a 4-member installation team to complete residential and commercial projects, maintaining a 95% customer satisfaction rate across all deployments.
- Authored comprehensive installation manuals and internal training guides, reducing new technician onboarding time by 25%.
- Integrated smart home control panels and mobile app interfaces, streamlining user access to automation systems and improving client engagement.
- Conducted site assessments and customization planning, tailoring smart solutions to client-specific needs and increasing service adoption in premium housing sectors.

Technologies Used: ZigBee smart devices, KNX smart devices, IoT gateways, smart HVAC systems, Home Automation Control Panels (Zemismart - Tuya Smart Platform, Wall Panels & Controllers), PostgreSQL.

HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD., Turkmenbashi, Turkmenistan • 04/2015 – 09/2016

Global Leader in Civil, Industrial, and Energy Infrastructure Development.

Assistant Engineer

Utilized engineering software for project tasks; performed technical calculations and site coordination.

- Utilized PostgreSQL and Word to manage documentation and generate compliance reports, streamlining the reporting process and facilitating regulatory audits.
- Reviewed architectural plans and technical drawings using AutoCAD, identifying feasibility issues and contributing to early-stage design corrections across major construction projects.
- Ensured strict compliance with safety and quality standards on-site, helping deliver multi-million-dollar infrastructure projects with zero major safety violations.
- Supervised installation of technical systems and smart control units, ensuring all equipment met specifications and was commissioned according to protocol.
- Conducted on-site inspections and compiled performance reports, increasing project specification adherence by 15% through proactive issue tracking and resolution.
- Supported project teams by performing quantity takeoffs and cost estimations using Excel, improving material planning accuracy, and reducing procurement delays.

Technologies Used: PostgreSQL, AutoCAD, Excel, Word, Construction Control Systems, Safety & Quality Protocols.

ACADEMIC PROJECTS

Maharishi International University (2025)

EduAdvisor AI: Developed a full-stack application using the MEAN stack, enabling users to create personalized learning roadmaps. Utilized MongoDB, Express, Angular, and Node.js, and integrated an AI agent powered by OpenAI with Retrieval-Augmented Generation (RAG) to generate intelligent, context-aware suggestions grounded in real data reducing AI hallucinations and ensuring up-to-date, accurate content.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, IA

Key Courses: Web Application Programming, Cloud Computing, Algorithms, Modern Web Applications

Bachelor in Computer Engineering

Kharkiv National University of Radio Electronics, Kharkiv, Kharkiv (06/2014)