



GRADUATE AND CAREER DEVELOPMENT PROGRAMME

We build careers
JOHANNESBURG



FAST | RESPONSIVE | AGILE

The highly sought-after DVT Graduate Programme, based in Johannesburg, offers four tech streams and soft skills development for top-level graduates. Transition from university to work, put the shine on your technical prowess and develop your interpersonal skills with our high intensity curriculum.

We offer...

- A flexible work environment underpinned by Agile/Scrum principles
- Willingness to embrace revolutionary change
- A culture of growth
- Exposure to best practice in multiple industries - banking, insurance, financial services, healthcare, media, legal, telecoms, vehicle/asset tracking, education and retail

JUMP START Your CAREER

INDUSTRY STANDARDS, OUT-OF-THE-BOX THINKING

- Agile, Scrum and Kanban methodologies
- Backlog, Sprint Goals, Sprint Planning and Retrospectives
- Object-oriented programming (OOP)
- Reactive programming (theory and fundamentals)
- Clean code - concepts and practical
- SOLID design principles
- Source control management and workflows
- Development processes such as TDD and BDD
- Unit testing and end-to-end testing
- Continuous integration and continuous delivery
- Containerisation: Docker, Redhat OpenShift, Microsoft Azure Kubernetes Services

DVT IN NUMBERS



20

Years of software
solutions experience



500+

IT Professionals



100+

Happy Clients



5

Offices across
SA and UK



100+

Learners and
Graduates

OUR VISION

To be South Africa's favourite custom software solutions
and services company, with a global footprint.

Favourite to work for, favourite to work with.



BECOME A SOFTWARE ENGINEERING SuperHero

PROGRAMMING WITH JAVA AND VARIOUS OPEN SOURCE TECHNOLOGIES

What you'll learn: Java SE fundamentals; practical JAVA SE problem-solving; Enterprise development using processes such as TDD with ORM frameworks, Java EE and Spring Core; Angular based UI and e2e test automation utilising BDD. New open source technologies in the Java space such as Spring Boot, Spring Cloud and Netflix OSS tech stacks; building and writing code; how to utilise open source technologies.

Learning and evaluation platforms: Self explore; best practices; test scenarios; test cases; classroom sessions; troubleshooting; peer review; online evaluations. Technical learning sessions; solving real problems in real projects.

Project examples: Build an automated SARS travel e-logbook; build a loyalty dining programme that rewards customers for enjoying meals at their favourite restaurants.

Soft skills development: How to work and collaborate as a team; building under pressure.

Stream summary: An extensive 8-month course with hands-on development work.

WEB TECHNOLOGIES

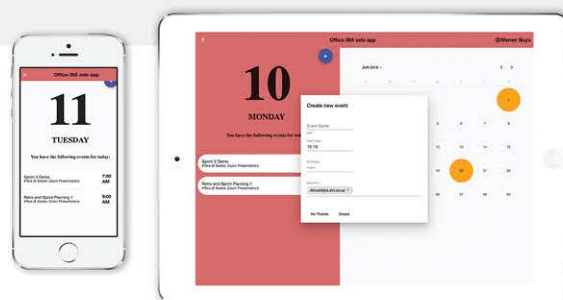
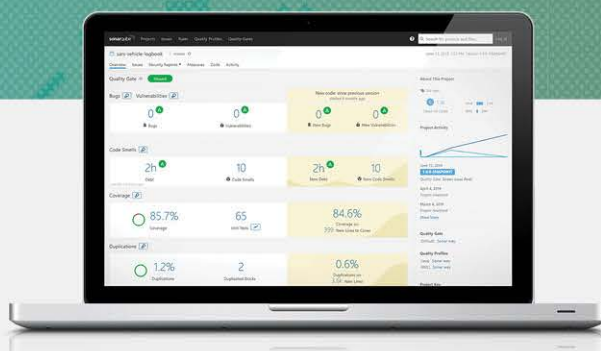
What we're looking for: Highly motivated individuals with excellent core programming skills. Ideal candidates have a keen eye for UI design and are passionate about creating software that people want to use.

What you'll learn: Patterns and practices to design, develop, test and deploy single-page applications in an agile team environment. You'll learn to build high quality, modern web apps that work cross-platform, implement a responsive web design, interface with secure back-end API, and even work offline. We'll give you the strong foundation you need to kick-start your career by first teaching you to become an HTML and CSS (and SCSS) ninja before primarily focusing on building secure, Enterprise-grade apps in Angular. We also touch on back-end development with Node.js, Express and Mongo (MEAN) and cover development practices such as Test-Driven Development (TDD).

Learning and evaluation platforms: Dedicated mentorship; classroom and hands-on training; real-world projects; online self-study materials; our internal web developer community.

Project examples: Your first basic website; a responsive events management app interfacing with a public REST API; an advanced single-page application integrating to Office365 using OAuth 2.0 and RxJS.

Stream summary: Develop dedicated Web development skills and learn how to build feature-rich single-page apps that target both mobile and desktop, even when offline.

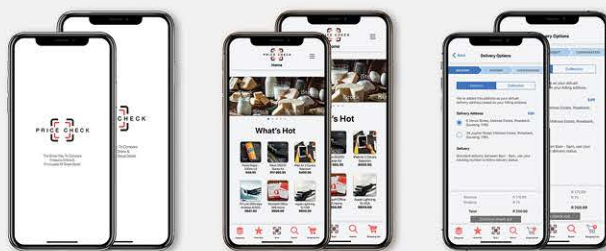


UX/UI DESIGN

What you'll learn: UX designers learn how to be the voice of the user. The focus is on research and user testing. UI designers learn how to design for different domains such as such as iOS, Android and the web. These sought-after skills will set you up for a successful career in software development.

Learning and evaluation platforms: User reviews; user testing skills; how to conduct user research; Human Centred Design Process; Wireframing and rapid prototyping. Working in an Agile squad. Regular Skype interaction and reviews with Stream Mentor to assist with projects. Online performance reviews and evaluations.

Projects: A real-life project involved designing an internal HR app. Interns also designed a flight booking app, a price check app and a retirement advice website that linked customers with brokers and managed appointments.



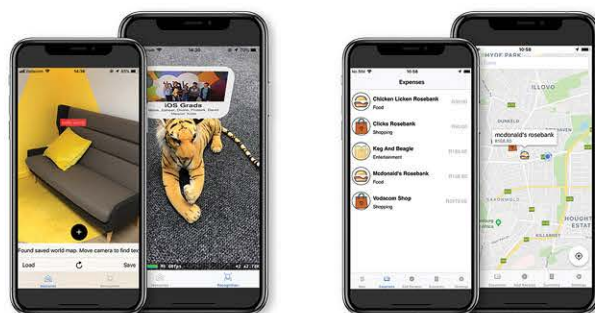
Soft skills development: Communication, empathy, how to handle constructive criticism, teamwork.

Stream summary: UX designers focus on creative problem solving. You will utilise insights gained from people actually using the product to build a design that is usable, easily navigated and enjoyed by its end users. UI designers polish the design using advanced design principles, composition and layout in order to bring joy to those interacting with the product..

ANDROID AND iOS MOBILE APP DEVELOPMENT

What you'll learn: Agile methodologies; mobile UX and UI. Android Development Basics (GIT SCM training, SOLID principles); architecture components for Android development; networking with Retrofit; using Kotlin for Android; UI testing; overview on Material Design and components; reactive and functional programming. Introduction to iOS development; introduction to Xcode; iOS layouts; Swift; UI and unit testing; applying iOS development.

Learning and evaluation platforms: Self learning; individual projects; team-based learning; real-world client engagement; hands-on practical workshops with evaluation components both during and afterwards.



Project examples: Augmented reality; a geo-budgeting app that informed the user how much they were spending in a certain area; a real-life DVT Employee app.

Soft skills development: Learn the skills required for client-facing projects; to articulate in a professional manner. Teamwork; listening skills; considering the opinions of others.

Stream summary: : Learn best practices, development tools and code quality that aligns with industry level standards.

SOFT SKILLS

Soft skills are a critical aspect of good leadership and being a competent professional. The DVT Graduate Programme combines theoretical and practical learning with classroom sessions, workshops, talks, videos and articles providing in-depth content.

- **Verbal and written communication.** How to communicate effectively.
- **Good listening skills.** Are you hearing and understanding?
- **Empathy.** Are you able to place yourself in the position of another?
- **The willingness to compromise.** Particularly important for leadership roles.
- **The ability to take criticism.** And not feel totally rejected.



- **Time management.** Prioritising tasks and delivering results.
- **Critical thinking.** Identifying problems and finding solutions.
- **Humility.** Even software geniuses can be humble. At DVT, humility keeps us real.
- **Collaboration and teamwork** are essential for the success of the end product.



Did we mention our awesome working environment?

New offices, lots of coffee and the best colleagues! Plenty of opportunities to mingle with experts through local and global technical meet-ups and you get to work with an amazing team!

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APPLY NOW
Space is Limited



www.dvt.co.za

OFFICE LOCATIONS

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